CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Mill, Fort William, Ont., Fort William Paper Co. plans building, $10,000,000.

Theatre, stores and office, Brooklyn, N. Y., Famous Players Lasky Corp. soon takes bids, $5,000,000.

Speedway, Buffalo, N. Y., Niagara Frontier Speedway, Inc., plans speedway, $3,500,000.

Administration, Dallas, Tex., Southwestern Bell Telephone Co. takes bids in December, $3,000,000.

Causeway and bridge, Sandusky, O., G. A. Boeckling Co. making plans, $2,500,000.

Hotel, Detroit, Mich., Fort Shelby Hotel Co. having plans prepared, $2,000,000.

Office, Detroit, Mich., Eaton Estate having plans prepared, $1,500,000.

Apartment, Oakland, Calif., B. Bercovich having plans prepared, $1,500,000.

City hall and court house, Asheville, N. C., city and Buncombe Co. plan twin building, $1,500,000.

Theatre, store and apartment, E. P. Steinberg, archt., takes bids about Aug. 1, $1,500,000.

Store and office, Toronto, Ont., Central Sites Development Co. had plans prepared, $1,250,000.

Theatre and office, New Rochelle, N. Y., B. F. Keith Corp. having plans prepared, $1,000,000.

Memorial auditorium, Louisville, Ky., Auditorium Memorial Comn. having plans prepared, $1,000,000.

Office, St. Louis, Mo., Local Syndicate soon takes bids, $1,000,000.

Medical arts, Amarillo, Tex., C. A. Fish and G. S. Calander, archts., prepared plans, $1,000,000.

Schools, Edinburg, Tex., Independent School Dist. having plans prepared, $1,000,000.

Bids Desired

Hotel, Cedar Rapids, Iowa, Aug. 10, by H. B. Beidler, archt., for First Avenue Realty Co., $1,500,000.

Courthouse, Shreveport, La., Aug. 19, by E. F. Neidl, archt. for Caddo Parish, $1,000,000.

Contracts

Oil pipe line, Texas, Magnolia Petroleum Co. will construct 180 mi. 8 in. welded steel pipe line by own forces, $6,500,000.

Office, Chicago, Ill., A. C. Mather to W. A. Illsley, $3,000,000.

Apartment, Chicago, Ill., Syndicate to B-W Constr. Co., $2,500,000.

Bridge, Barre, Pa., H. T. Butte Controller Luzerne Co. to W. S. Rae, $1,777,153.

Apartment, Chicago, Ill., E. M. Levin to Callner Constr. Co., $1,200,000.

Mausoleum, St. Louis, Mo., Stanza & Co., Inc., to John Hill Constr. Co., $1,000,000.

Library, Hanover, N. H., Dartmouth College to Hegeman-Harris Co., Inc., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
July 30	North Easton, Mass.	July 29
July 31	Milwaukee, Wis.	July 29
Aug. 2	Towson, Md. Adv. July 15 to 29.	July 15
Aug. 2	Haledon, N. J.	July 15
Aug. 2	Huntingburg, Ind.	July 22
Aug. 2	Kohler, Wis.	July 29
Aug. 2	Birmingham, Mich.	July 29
Aug. 2	Danville, Ind.	July 29
Aug. 3	Ft. Lauderdale, Fla.	July 8
Aug. 3	Nunda, N. Y. Adv. July 22 and 29.	July 22
Aug. 3	Grosse Pointe Park (br. Detroit), Mich.	July 29
Aug. 3	Chicago, Ill.	July 29
Aug. 3	Boston, Mass.	July 29
Aug. 3	Greensboro, N. C.	July 29
Aug. 3	Phila., Pa.	July 29
Aug. 4	Agar, S. D.	July 29
Aug. 4	Ree Heights, S. D.	July 29
Aug. 4	Detroit, Mich.	July 29
Aug. 4	Cleveland, O.	July 29
Aug. 5	Ft. Lauderdale, Fla.	July 8
Aug. 6	Hawthorne, N. J.	July 22
Aug. 6	Andover, S. D.	July 29
Aug. 10	Toronto, Ont.	July 22
Aug. 12	South Haven, Mich.	July 15
Aug. 17	Elizabeth City, N. C. Adv. July 29.	July 29
Sept. 30	Santo Domingo, W. I. Adv. July 15 and 29.	July 22

Sewers

July 30	Marblehead, Mass.	July 29
July 31	Galesburg, Ill.	July 29
Aug. 1	Birmingham, Ala.	July 8
Aug. 2	Frankfort, Ind. Adv. July 29	July 29
Aug. 2	Towson, Md. Adv. July 15 to 29.	July 15
Aug. 2	Emmetsburg, Ia.	July 29
Aug. 2	Ojai, Calif.	July 29
Aug. 3	Chicago, Ill. Adv. July 15 to 29.	July 29
Aug. 4	Delaware, O.	July 15
Aug. 4	Schenectady, N. Y. Adv. July 29.	July 29
Aug. 4	Cleveland, O.	July 29
Aug. 5	Oklahoma City, Okla.	July 22
Aug. 5	Garfield Heights (mail Cleveland), O.	July 29
Aug. 6	Webster, S. D.	July 29
Aug. 6	West Allis, Wis.	July 29
Aug. 9	West Concord, Minn.	July 22
Aug. 9	Albert Lea, Minn.	July 29
Aug. 10	Powell, Wyo.	July 15
Aug. 10	Ft. Lauderdale, Fla. Adv. July 12 to 29.	July 8
Aug. 10	Boston, Mass.	July 29
Aug. 11	Norristown, Pa. Adv. July 22 and 29.	July 22
Aug. 12	Ft. Lauderdale, Fla. Adv. July 8 to 29.	July 8
Aug. 12	Charleston, Mo.	July 22
Aug. 17	Port Washington, N. Y. Adv. July 29.	July 29

Waste Disposal

Aug. 17	Memphis, Tenn. Adv. July 22 and 29.	July 22

Bridges

July 30	Chicago, Ill.	July 22
July 31	Traverse City, Mich.	July 29
Aug. 2	Mississippi	July 1
Aug. 2	Chicago, Ill.	July 22
Aug. 2	New Jersey Adv. July 22 and 29.	July 22
Aug. 2	California	July 22
Aug. 3	Akron, O.	July 15
Aug. 3	Ames, Ia.	July 29
Aug. 3	Maryland Adv. July 29	July 29
Aug. 3	Plymouth, Ind.	July 22
Aug. 3	Waverly, Ia.	July 29
Aug. 4	Pennsylvania	July 29
Aug. 4	Missouri	July 29
Aug. 4	Goodland, Kan.	July 29
Aug. 5	Lyndon, Kan.	July 22
Aug. 6	Concordia, Kan.	July 22
Aug. 6	Phila., Pa.	July 29
Aug. 9	Morgantown, W. Va.	July 15
Aug. 9	Soledad, Calif.	July 29
Aug. 14	La Porte, Ind. Adv. July 29.	July 29
Aug. 16	New Jersey Adv. July 29.	July 29
Dec. 1	Copenhagen, Denmark	July 15

Railways

Aug. 17	Massachusetts Adv. July 29.	July 29

Excavation, Drainage, Irrigation, Levees, River and Harbor

July 31	Milwaukee, Wis.	July 29
Aug. 2	Michigan	July 29
Aug. 10	Vero Beach, Fla.	July 15
Aug. 16	New Jersey Adv. July 29.	July 29

Streets and Roads

July 30	Dayton, O.	July 22
July 30	Wash., D. C.	July 29
July 30	St. George, N. Y.	July 29
July 30	Vermont	July 29
July 31	Lakewood (br. Cleveland), O.	July 22
July 31	Michigan	July 29
Aug. 1	Birmingham, Ala.	July 8
Aug. 2	Riverside, Ill.	July 15
Aug. 2	New Hampshire	July 29
Aug. 2	New Jersey Adv. July 22 and 29.	July 22
Aug. 2	Indianapolis, Ind.	July 22
Aug. 2	Minot, N. D.	July 22
Aug. 2	White Plains, N. Y. Adv. July 22 and 29.	July 22
Aug. 2	Huntingdon, W. Va.	July 22
Aug. 2	La Crosse, Wis.	July 29
Aug. 2	East Boston (Boston P. O.), Mass.	July 29
Aug. 2	South Milwaukee, Wis.	July 29
Aug. 2	Minot, N. D.	July 29
Aug. 2	Indianapolis, Ind.	July 29
Aug. 3	Norristown, Pa. Adv. July 15 to 29.	July 15
Aug. 3	Wabash, Ind.	July 15
Aug. 3	Wisconsin	July 22
Aug. 3	Plymouth, Ind.	July 22
Aug. 3	Florida	July 22
Aug. 3	Maryland Adv. July 22 and 29.	July 22
Aug. 3	Valparaiso, Ind.	July 22
Aug. 3	Crawfordsville, Ind.	July 22
Aug. 3	Madison, Ind.	July 29
Aug. 3	Louisiana	July 29
Aug. 3	Iowa	July 29
Aug. 3	Chicago, Ill.	July 29
Aug. 3	Flint, Mich.	July 29
Aug. 3	Long Island City, N. Y.	July 29
Aug. 3	Brooklyn, N. Y.	July 29
Aug. 3	Massachusetts	July 29
Aug. 3	Boston, Mass.	July 29
Aug. 3	Florida	July 29
Aug. 3	Denison, Ia.	July 29
Aug. 4	Pittsburgh, Pa.	July 22
Aug. 4	Dennisville, N. J.	July 29
Aug. 4	Chicago, Ill.	July 29
Aug. 4	Wisconsin	July 29
Aug. 4	Illinois	July 29
Aug. 4	Providence, R. I. Adv. July 29.	July 29
Aug. 4	Sheboygan, Wis.	July 29
Aug. 4	Missouri	July 29
Aug. 4	Brooklyn, N. Y.	July 29
Aug. 4	Boston, Mass.	July 29
Aug. 4	Cleveland, O.	July 29
Aug. 4	Clinton, Ia.	July 29
Aug. 5	Wisconsin	July 29
Aug. 5	Michigan	July 29
Aug. 5	New Brunswick, N. J.	July 29
Aug. 5	Phila., Pa.	July 29
Aug. 5	Garfield Heights (mail Cleveland), O.	July 29
Aug. 5	Iowa City, Ia.	July 29
Aug. 5	St. George, N. Y.	July 29

See proposal advertising on page 115

TRADE **"LEADITE"** MARK
Registered U. S. Pat. Office

Good Pipe Joints

Laying 36-in. c. i. Water Mains with Leadite Joints

Has it occurred to you why so many water works men are using Leadite for making joints in all sizes of cast iron water mains?

There are many sound reasons.

The most important reason is that experience has proven Leadite joints are good joints and improve with age.

The other reasons relate to saving in the cost of material and labor.

Leadite facilitates rapid completion of the work.

Leadite saves money from every angle of pipe laying.

Anyone can make Leadite joints; Leadite is very easy and simple to handle.

Yarn the joint, pour it full of molten Leadite, and the joint is finished.

If you have never tried Leadite, do not pass up a good thing without investigating it.

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE
and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Aug. 6	Brownstown, Ind.	July 29
Aug. 6	New York Adv. July 22 and 29.	July 29
Aug. 6	California	July 29
Aug. 9	Morgantown, W. Va.	July 15
Aug. 10	Pennsylvania Adv. July 22 and 29.	July 22
Aug. 10	Hiawatha, Kan.	July 22
Aug. 10	West View, Pa.	July 29
Aug. 10	Santa Rosa, Calif.	July 29
Aug. 10	Bronxville, N. Y. Adv. July 22 and 29.	July 29
Aug. 11	Delaware	July 22
Aug. 12	Sioux Falls, S. D.	July 29
Aug. 15	Birmingham, Ala.	July 22
Aug. 15	Birmingham, Ala.	July 29
Aug. 16	Morgantown, W. Va.	July 22
Aug. 16	New Jersey Adv. July 29.	July 29
Aug. 16	Cleveland, O.	July 29
Aug. 17	Washington	July 29
Aug. 18	Alabama	July 29
Aug. 28	Goshen, Ind.	July 15
Sept. 1	New Philadelphia, O.	July 29

Buildings—Commercial

July 30	Cleveland, O.	July 22
Aug. 2	Cleveland, O.	June 24
Aug. 2	Shaker Heights (mail Cleveland), O.	July 22
Aug. 2	Grant, Neb.	July 22
Aug. 2	Erie, Pa.	July 22
Aug. 2	Amesbury, Mass.	July 29
Aug. 2	Phila., Pa.	July 29
Aug. 2	Denver, Colo.	July 29
Aug. 2	Richmond, Ind.	July 29
Aug. 3	Hamilton, O.	July 22
Aug. 3	Kansas City, Kan.	July 29
Aug. 4	Tupelo, Miss.	July 29
Aug. 5	Auburn, Calif.	July 22
Aug. 5	New York, N. Y.	July 22
Aug. 6	Oaklandon, Ind.	July 8
Aug. 6	Sunnyside (mail Indianapolis), Ind.	July 8
Aug. 9	Phila., Pa.	July 29
Aug. 9	Murphys, Calif.	July 29
Aug. 9	San Benito, Tex.	July 29
Aug. 10	Johnstown, N. Y.	July 22
Aug. 10	Cedar Rapids, Ia.	July 29
Aug. 10	McAlister, Okla.	July 29
Aug. 12	Pascagoula, Miss.	July 22
Aug. 15	Anderson, Ind.	July 29
Aug. 17	Muskogee, Okla.	July 29
Aug. 19	Shreveport, La.	July 29
Sept. 1	Vancouver, B. C.	Apr. 22
Nov. 15	Duluth, Minn.	July 15

Buildings—Industrial

Bids close		See Eng. News-Record
July 30	Indianapolis, Ind.	July 29
Aug. 1	Canton, O.	July 29
Aug. 3	West Allis, Wis.	July 22
Aug. 3	Totowa (mail Paterson), N. J.	July 29

Buildings—Educational, Religious

July 30	Sayville, N. Y.	July 22
July 31	Worcester, Mass.	July 29
Aug. 1	Hughesville, Pa.	July 22
Aug. 2	Hartford, Conn.	July 15
Aug. 3	Raleigh, N. C.	July 29
Aug. 3	New Brunswick, N. J.	July 29
Aug. 3	Totowa (mail Paterson), N. J.	July 29
Aug. 3	Morris Plains, N. J.	July 29
Aug. 4	Clayton, Mo.	July 22
Aug. 4	Baltimore, Md.	July 22
Aug. 4	San Francisco, Calif.	July 22
Aug. 4	Los Angeles, Calif.	July 29
Aug. 5	Oxford, Miss.	July 22
Aug. 5	Marion, Wis.	July 29
Aug. 5	Dearborn, Mich.	July 29
Aug. 5	Roslindale (sta. Boston), Mass.	July 29
Aug. 10	Muscatine, Ia.	July 22
Aug. 10	Fort Atkinson, Wis.	July 29
Aug. 16	Greeley, Colo.	July 29
Aug. 17	Normon, Okla.	July 29

Federal Government Work

July 30	Stone—Cold Spring, N. J. Adv. July 8 to 29.	July 8
July 30	Stone—Wilmington, Del.	July 15
July 30	Clearing Site—Yonkers, N. Y.	July 29
Aug. 2	Equipment, Wash., D. C. Adv. July 8 to 29.	July 8
Aug. 4	Utility Building—South Boston (sta. Boston), Mass. Adv. July 22 and 29.	July 22
Aug. 4	Road—New Mexico	July 29
Aug. 4	Road—Wyoming	July 29
Aug. 4	Paving—Phila., Pa.	Jul 29
Aug. 5	Road—Wyoming	July 29
Aug. 5	Road—Colorado	July 29
Aug. 9	Cylinders — St. George, N. Y.	July 29
Aug. 11	Refrigerating Plant—Coco Solo, C. Z.	July 15
Aug. 11	Dikes, etc.—Rockwood, Ill.	July 22
Aug. 11	Motors, etc.—Wash., D. C.	July 22
Aug. 11	Cabin, etc.—St. Louis, Mo. Adv. July 22 and 29.	July 29
Aug. 11	Heating Plant — Ft. Monroe, Va.	July 29

Bids close		See Eng. News-Record
Aug. 12	Earthwork—Illinois Adv. July 29.	July 29
Aug. 12	Earthwork—Missouri Adv. July 29.	July 29
Aug. 16	Barracks—Ft. Benning, Ga. Adv. July 22 and 29.	July 22
Aug. 17	Extension—Buffalo, N. Y. Adv. July 22 and 29.	July 22
Aug. 17	Dredging—Chicago, Ill. Adv. July 22 and 29.	July 22
Aug. 18	Dam—Orlando, Calif.	July 15
Aug. 20	Dredging—Providence, R. I. Adv. July 22 and 29.	July 22
Aug. 30	Canal—Portage, Wis.	July 29
Aug. 31	Dam—Montana Adv. July 29.	July 29
Sept. 15	Quarters—Canacao, P. I.	July 1

Unclassified

July 30	White Way Lanterns—Cleveland, O.	July 29
July 30	Special Work—Brooklyn, N. Y.	July 22
Aug. 2	Wiring, Plumbing, Heating, etc.—Phila., Pa.	July 22
Aug. 2	Street Lighting System — Whitefish Bay (Milwaukee P. O.), Wis.	July 29
Aug. 3	Guard Rail ,etc.—Greenfield, Ia.	July 29
Aug. 4	Plumbing, etc.—Chicago, Ill.	July 29
Aug. 4	Guard Rail, etc.—Chariton, Ia.	July 29
Aug. 5	Street Lighting System—Gouverneur, N. Y.	July 15
Aug. 5	Guard Rail, etc.—Iowa City, Ia.	July 29
Aug. 16	Turbo-Generator—Moose Jaw, Sask.	June 24
Sept. 30	Crane Gantries, etc.—Otahuhu, New Zealand	May 20
Nov. 1	Buildings, etc.—New Zealand	July 1

Materials

Aug. 4	Iron Machine Bolts—Chicago, Ill.	July 29
Aug. 4	Steel Beams, etc.—Boston, Mass.	July 29
Aug. 5	Steel—Minneapolis, Minn.	July 29
Aug. 5	Guard Rail, etc.—Iowa City, Ia.	July 29

News of New Work

Waterworks

Proposed Work

N. J., Saddle River—Saddle River Twp. plans waterworks. $150,000. A. Noack, Commercial Bldg., 236 Main St., Hackensack, twp. engr.

S. C., Greenville—Voted $65,000 bonds, waterworks.

La., Farmersville—Plans new waterworks. $75,000. Swanson-McGraw, Inc., Baletr Bldg., New Orleans, engrs.

Ky., Louisville — Louisville Water Co., 435 South 3rd St., plans new 40 m.g. turbo-centrifugal pump and enlarging building at Crescent Hill Pumping Station. $175,000. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Mich., Royal Oak (Ind. br. Detroit) — Making plans extending 1,000 ft. c.i. mains, etc. R. B. Fleming, city clk.

Ill., Markham—Soon takes bids waterworks improvements, incl. 300 ft. well 9,000 gal., pump house and pumps, storage reservoir, etc. Barker, Flavin, Sheets & Wallace, 190 North La Salle St., Chicago, engrs.

Ill., Olney — Soon takes bids complete waterworks and distribution system, incl. pumping equipment, mains, etc. Edward Flad & Co., 920 Chemical Bldg., St. Louis, Mo., engrs. Noted June 3.

Neb., McCook—Voted $105,000 bonds, improving water supply and enlarging storage capacity, etc. Noted July 1.

Neb., Shubert — Voted $22,000 bonds, waterworks.

Mo., St. Louis—Water Dept. soon takes bids 20 in. c.i. mains, etc., in Bway., thence in Gimblin to Waterworks conduit right-of-way connecting 12 in. main in Riverview Dr. at St. Cyr Ave., $30,000; and 12 in. main in Evans Ave., etc., $9,000. J. Pritchard, dir.

Tex., Amarillo—Election Aug. 3, $45,000 bonds, improving waterworks, incl. wells, elevated tank, c.i. mains, etc. Devlin Engr. Co., c/o 100 Central Bldg., engrs.

Tex., Canton — Voted $25,000 bonds, waterworks. J. White, Tyler, engr.

Tex., Corpus Christi—See "Unclassified."

Tex., Dallas — Making plans improving waterworks and sewerage system in South Dallas Dist. between Hutchins Rd. and Oakline Ave., etc. $40,000. Floyd & Lockbridge, 519 Wilson Bldg., engrs.

Tex., Groom — Election soon $20,000 bonds, complete waterworks system. Morrison & Hasie, Dallas, engrs.

Tex., Three Rivers—City, c/o Mayor, making plans election $20,000 bonds, waterworks. Engineer not selected.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Tex., Vernon — Making plans extending waterworks. $40,000. J. B. Nabors, engr.

Tex., Wheeler — Election in August $40,000 bonds, complete waterworks system. Morrison & Hasie, Dallas, engrs.

Tex., White Deer—City, c/o Mayor, making plans complete waterworks system, supply from wells. $30,000. Morrison & Hasie, Dallas, engrs.

Okla., Chickasha—City Council retained Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult, engrs., to make report cost of securing water from wells, etc., instead of present supply from Washita River. Improving present system, $260,000 or reservoir, or well supply, $500,000-$750,000. R. O. Bradley, Chickasha, city engr. Noted June 17.

Calif., Woodland—Directors Reclamation Dist. 2068, takes bids about Aug. 12, 4 pumping plants, pumps of vertical wet pit type, motors, etc. F. C. Hermann, Merchants Exch. Bldg., San Francisco, consulting engr.

Bids Desired

Mass., Boston—Aug. 3, by Supply Dept., City Hall, 300 tons 24 in. Class "B" c.i. pipe. H. S. Frost, supt.

Mass., North Easton—July 30, by Comrs. Fire & Water Dist., 4,250 ft. mains, etc., in various streets. $15,000. E. H. Smith, chn.

Pa., Phila.—Aug. 3, by Dept. Pub. Wks., Bureau of Water, 50,000 lb. pig lead, Contr. 822; 9,000 copper and 500 zinc ingots, Contr. 823; swicthboards, wiring and electrical equipment, Torresdale High Serv. Station, Contr. 829; screen and intake improvements, Queen Lane and Shawmont Pumping Stations, Contr. 830; 1,100 tons 16- to 24-in. c.i. pipe lines, etc., Contr. 833; electric pump and auxiliary equipment, Torresdale Station, Contr. 835; and supplementary construction work Torresdale Station, Contr. 837. G. H. Biles, dir.

N. C., Elizabeth City—Aug. 17, by Utility Comn., Chamber of Commerce Rooms, waterworks improvements and White Way Street Lighting System. W. C. Olsen, Raleigh consult. engr. adv. E. N.-R. July 29.

N. C., Greensboro — Aug. 3, by City Council, 7½ mi. 6, 8 and 12 in. c.i. pipe, 5 mi. 6, 8 and 10 in. sewer pipe, and 4 mi. water and sewer house connections. $87,000. P. C. Painter, city mgr.

O., Cleveland—Bd. Comrs. Cuyahoga Co. taking bids, 33,000 ft. 6, 8 and 12 in. c.i. main in South Miles Rd. F. Williams, Court House, engr.

O., Cleveland—Aug. 4, by Comrs. Cuyahoga Co., 2,600 ft. 6 and 8 in. c.i. mains in Impvt. Dist. 555; and 5,500 ft. 6 and 8 in.

Constr. News page 70

Closed Roads Create Costly Delays

Here Is a Way to Re-open Them Weeks Earlier

Modern streets and highways, closed for repairs and bridge construction must be re-opened in the quickest possible time. Each day's delay is costly.

Highway officials and road builders are realizing the possibilities of preventing such delays by using the well-authenticated methods for obtaining *strong* concrete in *3 days* with standard *Universal* cement, the same quality *Universal* regularly used.

For example, when these methods were successfully applied by the states of Illinois and West Virginia in road repairs, by the cities of Chicago and Pittsburgh in street paving, by the Traction company in Rockford, Ill., or the filling station at Effingham, Ill., costly delays were prevented.

Detailed information on the methods for obtaining this *strong* concrete in *3 days* with standard *Universal* cement will be sent promptly upon request. Simply use the coupon below.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

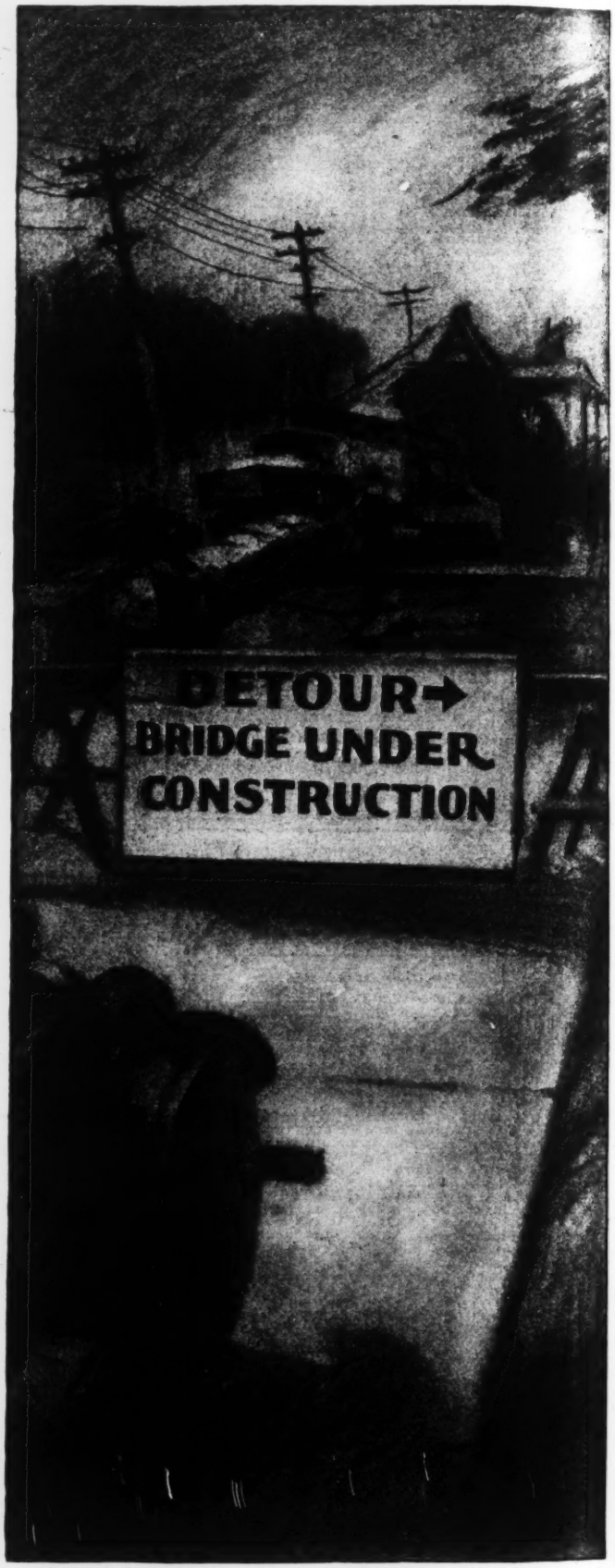
Concrete for Permanence

Universal Portland Cement Co.
210 South La Salle Street, Chicago.
Please send me details on how to obtain *strong* concrete in *3 days* with standard *Universal* cement.

Name.....

Address.....

G



Waterworks (Continued)

c.i. mains in Impvt. Dist. 573. F. Williams, Court House, engr.

Ind., Danville—Aug. 2, by City, pumping station and equipment. $25,000. R. W. Nowland, Lafayette, engr.

Mich., Birmingham—Aug. 2, by H. E. Lawler, village clk., constructing 12 in. well. $15,000.

Mich., Detroit—Aug. 4, by Bd. Water Comrs., 176 East Jefferson Ave., 49,266 ft. of 6- to 16-in. c.i. mains in Eight Mile Rd., State Fair and Carlisle Aves., Gainsboro, Bringard, Brock, Hayes, and Argus Sts., etc. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Mich., Grosse Pointe Park (br. Detroit)—Aug. 3, by G. Defer, village pres., furnishing labor and 6-in. mains on Cadieux Rd. from Jefferson Ave. to Waterloo St. C. H. Marden, 502 Garrick Theatre Bldg., Detroit, engr.

Ill., Chicago—Aug. 3, at office Bd. Local Impvts., Room 207, City Hall, mains in 9 streets and avenues. J. J. Sloan, pres.

Wis., Kohler—Aug. 2, by W. Nesemann, village clk., drilling 600 ft. artesian well, 12 or 16 in. wrought iron pipe or steel well casing. To exceed $15,000. J. Donohue Eng. Corp., 608 North 8th St., Sheboygan, engrs.

Wis. Milwaukee—July 31 by Dept. Pub. Wks. R. E. Stoelting comr. 56 ft. 6 in. and 3,870 ft. 20 c.i. mains in Scott St. $18,000. City furnishes pipe. J. W. Schwada, city engr.

S. D., Agar—Aug. 4, by City, waterworks system incl. approximately 3,000 ft. c.i. mains, pump house, 25,000 gal. tank on 100 ft. tower. Dakota Eng. Co., Mitchell, engr.

S. D., Andover—Aug. 6, by City, approximately 8,000 sq.ft. 4- to 8-in. c.i. pipe, fire hydrants, etc. Dakota Eng. Co., Mitchell, engr.

S. D., Ree Heights—Aug. 5, by City, approximately 2 mi. 4 in. water mains, and 20,000 gal. elevated tank, etc. Dakota Eng. Co., Mitchell, engr.

Bids Received

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in East 50th St., etc., from Wataga Contg. Co., 308 Lenox Ave., $151,206. Noted July 15.

N. Y., Otisville—L. I. Harris, pres. Bd. Health, 505 Pearl St., New York City, intake screen chamber, sedimentation basin, etc., from L. C. Smith, 605 Times Bldg., New York City, $58,490. Noted July 1.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St., July 22, constructing West Brook Viaduct, from General Constr. Co., Inc., DuPont Bldg., Wilmington, Del., $199,500. Noted June 24.

O., Cincinnati — Comrs. Hamilton Co., July 2, 82,349 ft. 6- to 8-in. c.i. mains in Water Supply Line 28, from W. Hennigan, 414 Riddle Rd., $157,816. Engrs. est. $176,513. Noted June 24.

Ill., Waukegan—City Clerk, July 12, waterworks improvements, incl. c.i. mains in various streets, from J. L. Fry, Lake Forest, $82,425. Engrs. est. $120,000.

Contracts Awarded

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, laying, removing and relaying mains in Church Ave., here, to N. De Stefano, 257 Glenn Ave., Tompkinsville, $6,595. Noted July 8.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, July 20, mains in Island Ave., etc., here, to Paladino Contg. Co., 437 East 120th St., New York City. $8,422. Noted July 15.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Lotus Ave., etc., to Gregory Contg. Co., 351 East 24th St., New York City, $3,432; in 43rd, 35th Aves., etc., to Norton & Rigney, 137th St. $5,944 and $6,936 respectively; in 34th, 35th, 37th Aves., etc., to Riverside Water Wks., Corp., 335 East 113th St., New York City, $15,924. Grand total $32,236. Noted June 22.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Foster Ave., 24th Rd., etc., here, to S. Gallucci & Son, 32 Railroad Ave., Corona, $6,745. Noted July 22 under "New York."

N. Y., New York.—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 1st, 2nd, West End Aves., etc., to Knight & DeMicco, Inc., 448 East Tremont Ave., $29,470. Noted July 22.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in East 50th St., to Wataga Contg. Co., 308 Lenox Ave., $151,206. Noted June 15.

N, Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Boynton, Elder Aves., etc., Bronx Boro, to Norton Eng. & Contg. Co., 510 West 149th St., $9,933. Noted July 8.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park ,to Beaver Eng. & Contg. Co., 51 Chamber St., $23,319. Noted June 22.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 800, to Keenan Supply Co., 2849 Germantown Ave., $16,920; and Constr. 834 to C. M. Brown & Co., Lafayette Bldg., $4,089. Noted July 22.

Ill., Broadview—Bd. Local Impvts., mains in 25th Ave., to E. Knight, 2247 Ridge Ave., Evanston, $52,233. Engrs. est. $60,000.

Minn., St. Paul—A. E. Eggart, city purch. agt., 21,120 ft. 6 in. and 2,640 ft. 4 in. bell and spigot water pipe, to American Cast Iron Pipe Co., 172 Plymouth Bldg., Minneapolis, $15,000. Noted July 1.

Kan., Emporia—For 4 mi. 6- to 24-in. c.i. pipe, to U. S. Cast Iron Co., 604 Interstate Bldg., Kansas City, Mo.

S. D., Sioux Falls — Bd. City Comrs., 2 wells and appurtenances, to A. Fanebust, Sioux Falls, $15,446; and 300,000 gal. elevated steel tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $21,450. Noted June 24.

Mo., Crane—Deep well pump and motor, to Keystone Driller Co., 12th and Illinois Sts., Joplin, $2,660; and pump house, reservoir, pumping machinery, laying mains, etc., to W. F. Plummer, Union Natl. Bank Bldg., Springfield, $16,405. Noted July 1.

Tex., Amarillo—For 82,290 ft. 27- to 36-in. c.i. pipe line, to Sherman Machine & Iron Wks. Co., 18 East Main St., Oklahoma City, Okla., approximately $180,000. Noted July 15.

Tex., Mission — Improving waterworks, incl. 1,500,000 g.p.d. filter plant, 2,000 ft. 10 in. c.i. mains, to Harris, Spaulding & Ranney, Mission $33,500; and equipment, to Morey & Morey, Praetor Bl., Dallas, $14,180. Noted July 1.

Tex., Nordheim—Water Dept., c.i. pipe and specials, to Natl Cast Iron Pipe Co., Santa Fe Bldg., Dallas, $9,806; pump and motors, to L. S. Vallely Co., Houston, $3,237. Noted June 10.

Okla., Cherokee — Waterworks improvements, incl. new Diesel engine, pump, etc. to Busch-Sulzer Bros. Diesel Engine Co., 3300 South 2nd St., St. Louis, Mo., $30,794. Noted June 3.

Calif., Fairfield—Supervs. Solano Co., constructing 22,050 ft. 4- to 8-in. c.i. water mains, etc., in Vallejo Annex, to Ewing & Angle, Dos Palos, $36,945. Noted June 24.

Sewers

Proposed Work

Pa., New Wilmington—Making plans improving sewage disposal plant. $25,000. G. B. Gascoigne, 14755 Drexmore Rd., Cleveland, O., consult. engr.

Ind., Indianapolis — Dept. Pub. Wks., plans constructing Pleasant Run Main Interceptor or Sanitary Sewer. $800,000.

Minn., St. Paul—City authorized Hayden Heights sewerage system. $40,000. G. M. Shepard, city engr.

Ark., Little Rock—Comrs. Sewer Dist. 101 soon takes new bids 23,800 ft. intercepting or trunk sewers, etc. Former bids rejected. V. P. Knott, 401 Home Insurance Bldg., engr. Noted May 15.

Tex., Corpus Christi—See "Unclassified."

Tex., Dallas—See "Waterworks."

Tex., Weseline—Plans election $35,000 bonds, sewerage system. Morrison & Hasie, Dallas, engrs.

Okla., Sand Springs—Plans storm sewers. $187,000 bonds voted. C. Tingeley, city engr. Noted July 8.

Calif., Weed—District to be formed to finance via bond issue, making preliminary plans, extending sewer, filter beds, septic tanks to serve Shastina, De Bons and Sullivan Addition. To exceed $25,000. H. B. Ream, City Hall, Mt. Shasta, engr.

Bids Desired

Mass., Marblehead—July 30, by Barbour & Dixon, engrs., Tremont Bldg., Boston, three contracts, sewage system in various streets, here, for Town. Noted July 15.

N. Y., Port Washington—Aug. 17, by Bd. Sewer Comrs. Port Washington Sewer Dist., completing additional Imhoff or 2 story sewage digestion tank, etc. T. H. Barnes, 17 Battery Pl., New York City, consult. engr.; adv. E. N.-R. July 29.

N. C., Greensboro—See "Waterworks."

O., Cleveland—Aug. 4, by City, sewer in Milea Ave. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Garfield Heights (mail Cleveland)—Aug. 5, by Village, sewer in Cranwood Dr., East 111th St., Mountview, Brunswick and Danbury Aves. R. Munz, Town Hall, engr.

Ind., Frankfort—Aug. 2, by Bd. Pub. Wks., constructing sewage treatment plant, here. C. H. Hurd, 1607 Merchants Bank Bldg., Indianapolis, engr. Adv. E.N.-R., July 29.

Ill., Chicago—Aug. 3, at office Bd. Local Impvts., Room 207, City Hall, tile sewers with brick manholes and catchbasins in 17 streets and avenues. J. J. Sloan, pres.

Ill., Galesburg—July 31, by Bd. Local Impvts., 2,617 ft. 15 and 18 in. vitr. clay sewers, etc., in North Prairie St. A. L. Richey, city hall, engr.

Wis., West Allis—Aug. 6, by Bd. Pub. Wks., J. Ferebee, supt., vitr. or concrete sewers in various streets. $50,000. Former bids rejected. W. Darby, City Hall, engr. Noted July 22.

Ia., Emmetsburg—Aug. 2, at office Auditor Palo Alto Co., 19,000 ft. 6 in. tile drain on Nevada Rd. T. R. Martin, Emmetsburg Co. engr.

Ia., Wilton Junction—See "Streets and Roads."

S. D., Webster—Aug. 6, by City Auditor, sewage treatment plant, etc. Dakota Eng. Co., Mitchell, engr.

Minn., Albert Lea—Aug. 9, by City, c/o C. J. Dudley, clk., sewage disposal plant, incl. 7,000 ft. 18 and 24 in. outfall sewers in various streets. $75,000. Former bids rejected.

Bids Received

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, July 14, from J. J. McHugh, 1617 Race St., branch sewers in Adams St. $11,863, Caster St. $16,260, Erdrick St. $9,170, Foust St. $5,620, Malvern St. $6,249, and Torresdale St. $46,313; from J. Venuti, 1512 South 15th St., Aldine St. $20,440; from H. H. Pezagno, 907 South 13th St., Algon St., $13,481; from E. Pascuzzi, Lincoln Bldg., Aramingo St., $13,422; from J. Moss ,1652 Wakeling St., Ditman St. $20,829, Foust St. $5,620; from Garson & Garson, 5031 Brown St. $16,219, and Torresdale St. $12,949; from A. J. Henderson, 825 East Washington Lane, Georgian Rd. $7,024; from E. F. Fennis, 825 East Washington Lane, Glen Echo Rd. $11,499, Penn St. $12,483, and Walnut Lane $9,489; from P. and A. J. Ellis, 4th and Wyoming Aves., Henry St. $15,768, and Roosevelt Rd. $17,097; from A. Carrado, 5920 Magnetic Ave., State Rd. $3,348; from McCoal Constr. Co., 5033 Daffield Ave., Stiles St., $9,331; from A. Perna & Son, 752 South 10th St., Teesdale St., $20,897; from Perna Eng. Co., 739 South 8th St., Tulip St. $8,844; from A. DiSandro & Son, 3906 North 5th St., Godfrey St. $22,067, and M St. $20,127; also from Vatteri & Pontarelli, 523 Rising Sun Ave., L St., $4,420. Noted July 8.

O., Akron—W. F. Peters, dir. Pub. Serv., July 15, (**e. e. means engineers est.**), from L. Crano, J. Weeks & Co., 605 Peoples Savings & Trust Bldg., 3,090 ft. 8- to 30-in. vitr. clay sewer in La Follette St. et al, $14,256 e. e. $24,600, and 2,635 ft. 8- to 24-in. sewer, Corice St., $8,108 e. e. $14,800; from T. Zuppa, 55 North 11th St., Kenmore, 3,635 ft. 8- to 24-in. Crosier St., $12,285 e. e. $26,500, 3,265 ft. 8- to 20-in., McKinley Ave., $9,064 e. e. $17,000, and 2,625 ft. 8- to 24-in., Kipling St., $8,986 e. e. $16,000; from Shullo & De Luca Constr. Co., 140 North Summit St., 2,450 ft. 12- to 48-in. Campbell St. et al. $22,581 e. e. $27,900. Noted July 8.

O., Cleveland—City, constructing 1,480 ft. 12 in. vitr. clay and 1,698 ft. 6½ ft. concrete pipe, in Morgan Run from East 71st to East 78th Sts., from W. McDowell & Son Co., 4120 East 104th St., brick $78,081, concrete $81,477.

O., Maple Heights (Bedford P. O.)— Village, from Curro & Whittaker, Engineer Bldg., (1) sewer (2) watermains (a) brick (b) concrete (c) vitr. tile in Clare Ave. (1a) $20,856 (1b) $19,976, (2) $12,176, in Hillgrove Ave. (1c) $9,467 (2) $9,467.

Mich., Grand Rapids—Constructing approximately 15 mi. sewer Contr. A-11, from Central Michigan Constr. Co., East Lansing, $135,649.

Minn., White Bear Lake — L. M. Rief, city clk., July 7, sewage disposal plant and sanitary sewerage system, from W. E. Kennedy, 7 Bway., Fargo, N. D., approximately $200,000. Noted June 24.

Contracts Awarded

Mass., Wakefield—Water Supply Bd., sewerage pumps, motors, pipe, etc., to E. H. Porter, 15 Wallis St., Peabody, $23,023. Noted July 22.

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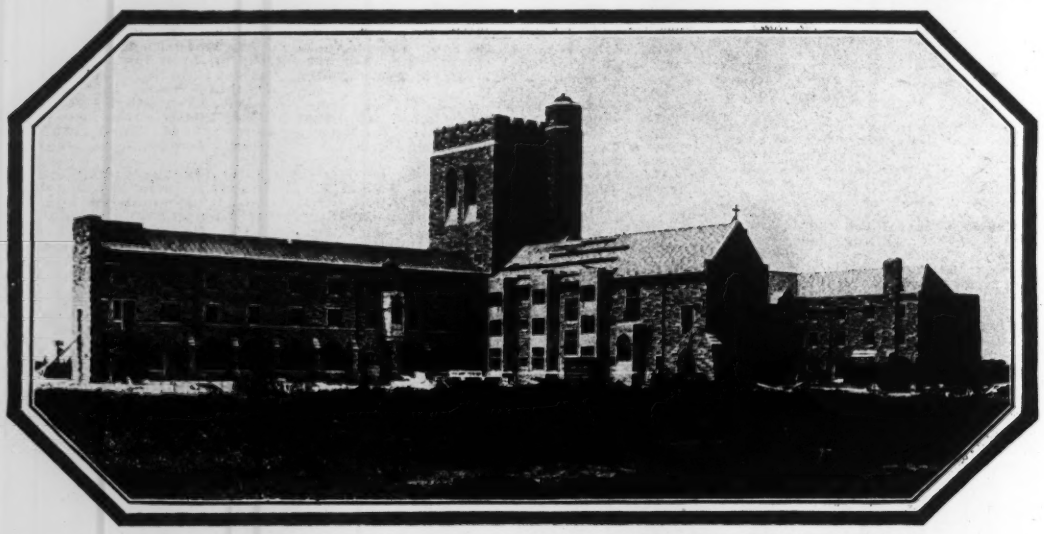
THE LARGEST-SELLING MASON'S CEMENT IN THE WORLD



Dominican College of St. Thomas Aquinas, River Forest, Chicago Wilfred Edwards Anthony, New York, Architect; F. A. O'Hare, Chicago and New York, Contractor. BRIXMENT mortar used throughout

BRIXMENT—*for hot-weather masonry*

THE same oily, water-repellent quality of BRIXMENT mortar that gives it a special advantage for winter use makes it ideally suitable for hot-weather masonry. It discourages scorching, thirsty brick from drinking up all plasticity and impairing the formation of a strong, well-keyed bond. BRIXMENT mortar is naturally smooth and buttery and the fact that no lime is required forestalls any temptation to weaken the mix for the sake of obtaining plasticity. In winter and summer BRIXMENT mortar assures a joint of uniform and invariable strength equal to that of the brick it binds. Architects' handbook on request.

LOUISVILLE CEMENT CO., *Incorporated*, Louisville, Ky.
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BRIXMENT
for Perfect Mortar

Sewers (Continued)

N. Y., Akron—Bd. Sewer Comrs., new sewerage system, to Laberto & Cerella, Depew, $133,945. Noted May 13.

O., Akron—W. F. Peters, dir. Pub. Serv., (c. e. means engineers est.), constructing 3,755 ft. 8- to 30-in. in Riverside Dr. et al 1, to E. M. McShaffrey, 574 Rhodes Ave., $17,180 e. e. $27,300; 3,370 ft. 8- to 42-in. sewer in Black St. et al, to T. E. McShaffrey Constr. Co., 173 Forge St., $26,290; 5,975 ft. 8- to 20-in. sewer in West Exchange et al, to McCourt Constr. Co., 369 South Main St., $32,169 e. e. $39,800; and 15,000 ft. 8- to 48-in. sewer in Riverside Dr. et al, to F. George, 1657 Mahoning Ave., Youngstown, $67,118 e. e. $86,450. Grand total $142,-557. Noted July 15.

Ind., Crawfordsville — For constructing South Side Sewer, to Columbia Constr. Co., 2108 Columbia Ave., Indianapolis, $43,188.

Mich., Grand Rapids—Constructing $1,870 ft. sewer, to Central Michigan Constr. Co., East Lansing, $135,649.

Ill., Broadview—Bd. Local Impvts., 6- to 18-in. vitr. tile sewers, etc., in various streets, to E. Knight, 2247 Ridge Ave., Evanston, $48,618. Noted July 15.

Calif., Banning — T. Backus, city clk., 32,910 ft. 8- to 18-in. lateral and outfall sewerage system and sewage treatment plant, to W. C. Secombe, San Bernardino, $63,345. Noted June 17.

Calif., Oakland—Constructing vitr. pipe sewer in Edith St. and Florence Ave., to R. B. McNair, 3819 Rhoda Ave. Noted June 24.

Bridges

Proposed Work

North Carolina—State Hy. Comn., Raleigh, soon takes bids rein.-con. bridge, etc., on Project 867, Polk Co. $54,000, and on Project 923, Clay Co. $40,000, and on Project 365, Onslow Co. $51,000. L. R. Ames, Raleigh, engr.

O., Sandusky—G. A. Boeckling Co., making plans constructing causeway and bridge across Sandusky Bay from Sandusky to Cedar Point. $2,500,000. D. P. Robinson & Co., 125 East 46th St., New York, engrs. Noted July 8.

Wis., Milwaukee—Chicago, North Shore & Milwaukee R.R. Co., c/o G. S. Hyatt, genl. mgr., Highwood, Ill., plans trestle between North Menomonee Canal and terminal at Clybourn St. and railroad tracks. To exceed $25,000. D. H. Howard, c/o owner engr.

Wis., Two Rivers—Plans election $200,-000 bonds, constructing 94 ft. bascule type, steel and concrete clear span bridge, Washington St. R. Biehl, city mgr. Engineer not selected.

Mont., Havre—Choteau Co. election Aug. 3, $30,000 bonds, steel bridge over Milk River.

Ark., North Little Rock (Ind. br. Little Rock)—Viaduct Dist. 1, c/o J. Matthews, chn., 120 West 2nd St., Little Rock, making plans 1,300 ft. rein.-con. viaduct, 60 ft., with 40 ft. roadway and two 60 ft. sidewalks over Missouri-Pacific R.R. tracks and over 1 track Chicago, Rock Island & Pacific R.R. tracks, here. Hedrick & Frost, 816 Howard Ave., New Orleans, La., and Ford & MacCrea, 215 Gazette Bldg., Little Rock, engrs. Noted May 13.

Tex., Carthage—See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Palestine—Comrs. Anderson Co. c/o W. C. Quick, judge, making plans rein.-con. and steel bridge over Neches River on Jacksonville Rd. $100,000. G. W. Couter, Court House, Fort Worth, engr.

California — A. O. Stewart, Holbrook Bldg., San Francisco, soon takes bids Napa Bridge, 2,300 ft. trestle with 75 ft. clear opening Strauss steel bascule on Vallejo-Sears Point Highway; also Sonoma Creek Bridge, 1,000 ft. long, with 60 ft. clear Strauss bascule span, etc. in Solano and Sonoma Counties.

Bids Desired

Pennsylvania—Aug. 4, by Comrs. Allegheny Co., Court House, Pittsburgh, constructing masonry for Bridge 6 over Monongahela River connecting Clairton and Glassport. $50,000. County Dept. of Pub. Wks., 519 Smithfield Bldg., engr.

Pa., Phila. — Aug. 6, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., constructing girder spans, turntable bridges and tower, Plans 80340, 80337, 80330, 22700A, Sheet 5, and 17420, Sheet 3, Contr. 21-1926, A. C. Shand, Broad St. Sta., ch. engr. railroad.

Maryland—Aug. 3, by State Roads Comn., Baltimore, three 26 ft. spans bridge, etc., over Baltimore and Ohio R.R. at Bethesda on Rockville Pike, Cont. M-74, Montgomery Co. J. N. Mackall, chn. adv. E. N.-R. July 29.

New Jersey—Aug. 16, by State Hy. Dept., Trenton, constructing 2 bridges on Route 8, Sect. 8, Sussex Co. and widening 5 bridges on Route 8, Sect. 6, Monmouth Co. A. L. Grover, secy., adv. E. N.-R. July 29.

Ind., La Porte—Aug. 14, by Comrs. La Porte Co., 80 ft. double leaf bascule bridge, etc., in Michigan City. $94,000. E. L. Alexander, engr.; adv. E. N.-R. July 29.

Michigan—Aug. 4 (extended date), by H. C. Fleming, resident engr., Grand Rapids, one 40 ft. span T. bridge 540701, two 40 ft. span T. Bridge 540702, and one 50 ft. span T. Bridge 540703, Mecosta Co., for State Hy. Dept., Lansing. Noted July 15.

Michigan—Aug. 4, by State Hy. Dept. at Genessee Co. office, Flint, S. R. Bridge 251301, five 70 ft. spans steel deck girder. R. W. Roberts, Saginaw, engr. Noted July 22.

Mich., Traverse City—July 31, by O. C. Moffatt, city clk., concrete bridge over Boardman River on East 8th St. Noted April 29.

Illinois—See "Streets and Roads."

Iowa—Aug. 3, by State Hy. Dept., Ames, 60 x 20 ft. pony truss bridge, 32 x 24 ft. I-beam bridge and 8 box culverts on Federal Aid Project 261, Powesheik Co., and 80 x 20 ft. and 90 x 20 ft. pony truss bridges, and 40 box culverts on Primary Bridge Project 349, Woodbury, Ida and Cherokee Counties. F. R. White, ch. highway engr.

Ia., Goodland—Aug. 4, by Clerk Sherman Co., two 20 ft. and one 30 ft. span I-beam bridges, on Federal Aid Project 202-B. C. M. Kincaid, co. engr.

Ia., Waverly—Aug. 3, by Auditor Bremer Co., one 55 x 18 ft. pony truss bridge and 17 box culverts. C. C. Thompson, Court House, engr.

Missouri—Aug. 4, by State Hy. Comn., Jefferson City, constructing 3 each of steel truss and I-beam, 9 rein.-con. deck girder and 20 rein.-con. slab span bridges in 18 countries. B. H. Piepmeier, ch. engr.

Washington—See "Streets and Roads."

Calif., Soledad—Aug. 9, by State Hy. Dept., Sacramento, bridge over Salinas River, 1 mi. south of here, Monterey Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Bids Received

Pennsylvania — Comrs. Allegheny Co. (Pittsburgh) and Westmoreland Co. (Greensburg), at Court House, Greensburg, piers and abutments for 1,630 ft bridge over Allegheny River at New Kensington, from Vang Constr. Co., Bessemer Bldg., Pittsburgh. $222,648.

Ohio—G. F. Schlesinger, state hy. dir., July 16, constructing 0.067 mi. steel girder bridge, Sect. "D" Ashland-Wooster Rd., Ashland Co., from Funk & Tyler, Jeromeville, $33,763, and 0.162 mi. steel bridge, Sect. "F" Newark-Coshocton Rd., Muskingum Co., from R. H. Strait, Zanesville, $20,055; 39 ft. concrete beam bridge and approaches, Sect. "A" Delphos-Mt. Marys Rd., Auglaize Co., from Gluss Bros., Hamler, $12,726, 36 ft. bridge, Sect. "I" National Rd., Muskingum Co., from Fuller, Tweed & Jackson, Columbus, $9,364; 30 ft. concrete arch bridge, Sect. "B-1" Youngstown-East Liverpool Rd., Columbiana Co., from H. C. Armstrong, Lisbon, $10,166, and 140 ft. bridge, Sect. "Elyria Bridge" Cleveland-Elyria Rd., Lorain Co., from W. Luke, Canton, $8,847; three 60 ft. span concrete bridge and approaches, Sect. "Portsmouth Bridge" Ohio River Rd., Scioto Co., from J. P. Hickey, 1471 East Broad St., Columbus, $68,241, and bridge over Pennsylvania R.R., Sect. "A-2" Harrisburg-Westville Rd., Stark Co., from D. A. Orr & Co., Columbus, $49,003.

Michigan—State Hy. Dept., at Grand Rapids, 7 span 260 ft. steel plate girder bridge over Muskegon River, Muskegon Co., from Love Contr. and Eng. Co., Union Bank St., Muskegon, $37,344. Noted July 8.

Contracts Awarded

Mass., North Adams—Comn. Pub. Wks., reconstructing old bridge across Hoosac River at Brown St., to M. J. Burrington, Burlington, $34,852. Original contract to G. H. Stebbins, recently deceased. Noted July 8.

Pennsylvania — Comr. Allegheny Co., Court House, Pittsburgh, masonry and approach fill for bridge over Monongahela River connecting McKeesport and Duquesne, to Vang Constr. Co., Bessemer Bldg., Pittsburgh. $429,445. Noted June 24.

Pa., Wilkes-Barre—H. T. Butte, controller Luzerne Co., removing stone masonry and constructing granite bridge at Market St., to W. S. Rae, Oliver Bldg., Pittsburgh, $1,177,153. Noted June 24.

Alabama — State Hy. Comn., Montgomery, several small concrete bridges on Heflin-Georgia State line Rd., Cleburne Co., to Southern Constr. Co., 615 South 11th St., Birmingham, $99,008, on Halyeville-Phil Campbell Rd., Marion, Winston and Franklin Counties, to Badgett Constr. Co., Guin, $46,773, on Montgomery-Lowndes Co. line Rd., Montgomery Co., and on Eufaula-Henry Co. line Rd., Barbour Co., to E. Fettus, Montgomery, $67,891 and $15,326 respectively; on Jacksons Gap-Waverly Rd., Tallapoosa Co., to A. H. Singer, Lafayette, $33,765; on Abbeville-Ft. Gaines Rd., Henry Co., to M. M. Bentley, Brantley, $26,274. Grand total $289,037.

Mich., Luddington—City, 260 ft. rein.-con. girder bridge, Worthington Ave., to S. M. Siesel Co., 160 Ogden Ave., Milwaukee, $36,638. Noted June 10.

Illinois—See "Streets and Roads."

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 50 ft. spans concrete girder overhead bridge, Route 2, Sect. 73-V, Lee Co. and one 29 ft. span and two 42 ft. span concrete girder railroad bridge on Route 8, Sect. 40-V, Knox Co., to A. P. Munson, Marion, Ia., $14,283 and $11,864 respectively; six 60 ft. spans concrete girder bridge, Route 7, Sect. E-1, LaSalle Co., to Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., $40,411; five 55 ft. spans concrete girder bridge, Route 19, Sect. 25-B, McHenry Co., to R. Mann, Rockford $57,948, one 30 ft. concrete girder bridge and seven 50 ft. spans concrete girder substructure for 150 ft. steel bridge, Route 13, Sect. 15-B, Perry Co., to Dees Bros., Oblong, $38,950; one 150 ft. steel superstructure, incl. 160,500 lb. reinforcing, etc., Route 13, Sect. 15-C, Perry Co., to St. Louis Structural Steel Co., Amhurst St., East St. Louis, $10,958; three 63 ft. and two 40 ft. concrete girder overhead railroad bridges, Route 26, Sect. 4-V, Ogle Co., to Ferguson Constr. Co., 1033 North 2nd St., Rockford $24,727, 160 ft. concrete substructure, incl. three 50 ft. one 26 ft. and one 18 ft. concrete approach spans, and 120 ft. concrete substructure, incl. two 40 ft. and two 18 ft. concrete approach spans also one 160 ft. span and one 120 ft. span steel superstructure, all on Route 24, Sects. 8-B and 8-C, Sangamon Co., to W. C. Johnson, Belleville, $62,960; two 50 ft. spans concrete girder bridge, Route 31, Sect. 1-B, Adams Co., to O. Stuart, Urbana, $12 926, also one 6 x 4 ft. concrete culvert, Route 7, Sect. 12-B, Bureau Co., to Boes & Higman, Wynet $1,110. Grand total $276,137. Noted July 8.

Tex., Linden—State Hy. Dept., Austin, making plans constructing bridges and rein.-con. culverts, also 18 ft. graveling 6 mi. Highway 8, Cass Co., $75,000. F. E. Hess, Linden, engr.

Okla., Chandler—City, rein.-con. and steel viaduct, to E. E. Mastin, Chandler, $21,900. Noted May 20.

Nevada—See "Streets and Roads."

California—State Hy. Comn., Sacramento, constructing three 70 ft. span rein.-con. girder bridge over Reeds Creek, Tehama Co., to Holdener Constr. Co., Sacramento, $31,262; engrs. est. $34,272; also undergrade crossing at Branagan, Orange Co., to W. M. Ledbetter & Co., Alhambra Rd., Los Angeles. $15,996, engrs. est. $17,280. Noted June 17.

Railways

Bids Desired

Massachusetts—Aug. 17, by Transit Dept. of City of Boston, 1 Beacon St., Sect. 2, Dorchester Rapid Transit, incl. road bed, station platform, approaches and passageways, etc., in Boston. A. D. Adair, secy., adv. E. N.-R. July 29.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Minn., St. Paul—See "Buildings—Industrial."

Tex., Kerens—Henderson Co. Impvt. Dist. 1, Athens, making preliminary plans reclaiming 18,000 acres. $700,000.

Bids Desired

New Jersey—Aug. 16, by Bd. Commerce & Navigation, State House, Trenton, V.

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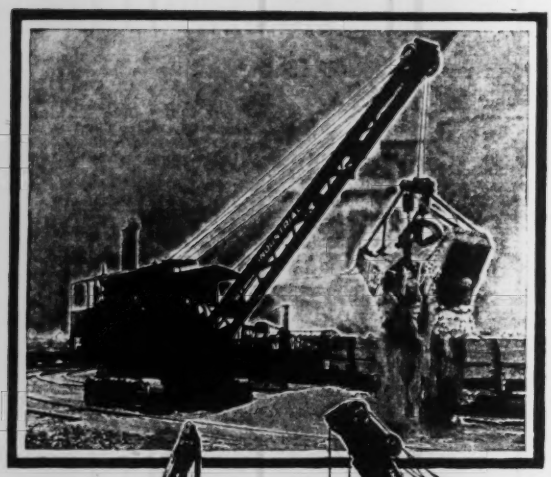

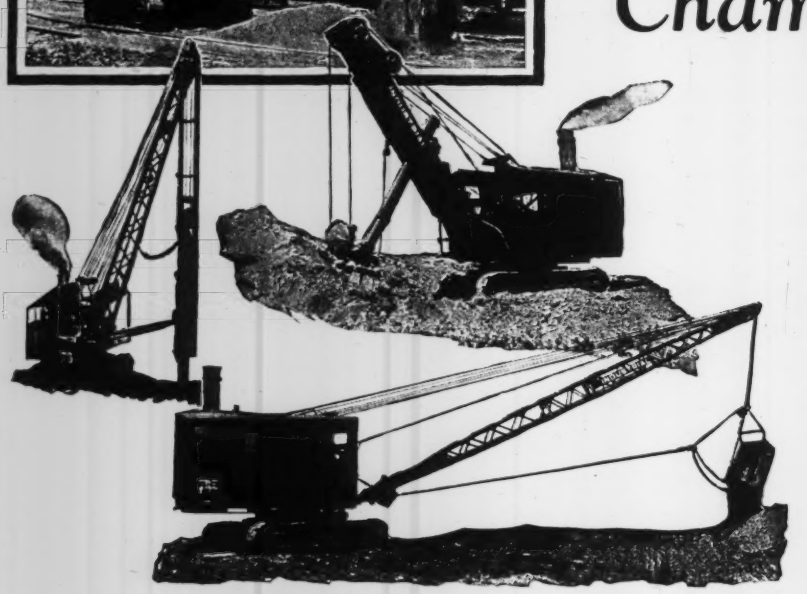

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INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Excavation, Drainage, Irrigation, Levees, River and Harbor (Cont.)

Gelineau, dir., dredging section proposed Inland Waterway connecting Barnegat Bay with Manasquan Inlet.; adv. E. N.-R. July 29.

Mich., Grosse Pointe Shores (mail Grosse Pointe)—Aug. 2, by W. Wiedbush, village clk., constructing 1,210 ft. concrete breakwater, supported by wood piles and stone fill, dredging 32,600 cu.yd., etc. M. L. Brown & Son, 603 Capitol Bldg., Detroit, engrs.

Ill., Carthage—July 31, by Comrs. Hunt, D. D., G. H. Hoffman, chn., Warsaw, at office W. E. Miller, clk. Hancock Co., Court House, Sect. 1, Rock Run Diversion Channel, incl. 1,421,500 cu.yd. excav., etc., Sect. 2, five 20 ft., six 30 ft. and eight 50 ft. and two 60 ft. steel highway bridges with 14 ft. roadway, one 50 ft., six 30 ft. and six 20 ft. timber bridges with 12 ft. roadway, and ten 30 x 30 ft. steel culvert pipes with concrete headwalls, Goodell & Millard, Beardstown, engrs.

Wis., Milwaukee—July 31, by Park Bd., F. Schumacher, secy., 300 lin.ft. rubble mound breakwater at Lake Shore Dr. Sect. 3. To exceed $25,000. Private plans.

Bids Received

Mass., Boston and Cambridge—Commonwealth of Massachusetts, Metropolitan Dist. Comn., Ashburton Pl., Boston, excavation and grading for Highway and Railroad Bridge (Cottage Farm Bridge), from J. F. White Contg. Co., 56 Ellery St., Cambridge, $0.39.

N. Y., Brooklyn — M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., New York City, July 26, dredging 8,000,000 cu.yd. channel from Barren Island to Mill Basin, Jamaica Bay, here, contr. 1868, from Atlantic, Gulf & Pacific Co., 13 Park Row, New York City, at $0.0967 per cu.yd., total $773,600. Noted July 22.

N. Y., New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., excavating at 207th St. Yard site, Bronx Boro, Agreement "ES," from I. F. Cavaluzzo, 1538 Walton Ave., $20,000.

Contracts Awarded

Mass., Cambridge (Boston P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, rebuilding retaining wall northerly from Broad Canal, Charles River Reservation, Lower Basin Sect., to Bay State Dredging and Contr. Co., 62 Condor St., East Boston, $53,175. Noted July 22.

La., Baton Rouge—State Bd. Engrs., 213 New Orleans Courthouse, New Orleans, approximately 130,000 cu.yd. excav. in Cow Head Bayou to Red Cross, on Atchafalya River, here, to Ogden & Lewis, Baton Rouge, at $0.17 per cu.yd.

Streets and Roads

Proposed Work

Mass., Boston—Dept. Pub. Wks. plans sheet asphalt or bitulithic paving Arnold, Auburn, Ruggles, Ball and section Washington Sts. To exceed $25,000. J. H. Sullivan, comr.

Mass., Worcester—Boston & Albany R.R., F. B. Freeman, ch. engr., South Station, Boston, plans repaving driveways, front of Boston and Albany Railroad Station. To exceed $100,000. Private plans.

Fla., Orange Park—Voted $75,000 bonds, paving various streets.

Fla., Tampa—Plans curbing, guttering, paving, etc., portion of Watanzas Ave., $52,-354, and portions of Arrowand and New Jersey Aves., $30,000. R. D. Martin, City Hall, engr.

Fla., Tampa — Hillsborough Co. plans election Aug. 11, $45,000 bonds 6 in. lime rock paving, etc., Rd. 10, $30,000 bonds, Rds. 12 and 13, $30,000 bonds, Rds. 9 and 11, $30,000 bonds, Rds. 7 and 8, $60,000 bonds, Rd. 6, $45,000 bonds, Rd. 5, $60,000 bonds, Rd. 4, $30,000 bonds, Rds. 1 to 3 inclusive, and $54,541 bonds, portion Habana Ave. A. B. Pimm, Court House, engr.

Ohio—G. F. Schlesinger, state hy. dir., July 16, cancelled contracts, grading and paving, etc., 1.763 mi. Sect. "R" Ohio River Rd., 20 ft. brick, $100,244 and concrete, $96,447, 1.780 mi. Sect. "N" Steubenville-Cambridge Rd., 18 ft., both in Jefferson Co., bituminous macadam, $74,016; 3.5 mi. Sects. "A" and "C" Painesville-Warren Rd. 14 ft., surface treated $2,206, 0.74 mi. Sect. "A" Painesville-Euclid Rd., 18 ft. brick $46,567, and 0.104 mi. Sect. "B" Painesville-Euclid Rd. 18 ft., all foregoing in Lake Co., brick $25,410; 5.831 mi. Sects. "G" and "H-2" Toledo-Wauseon Rd. 20 ft. Lucas Co., bituminous macadam $253,359 concrete, $232,871; also 0.218 m. Sect. "Harding Memorial" 34 ft. Marion Co., sheet asphalt $27,371. Noted July 8.

O., Cincinnati—Hamilton Co. plans tar bound macadam repaving 69,690 ft., South, Mill, Rich, Powner, Little Dry Run, Muchmore and Creek Rds., all foregoing 16 ft. wide. $303,398. E. A. Gast, Court House, engr.

O., Columbus—R. H. Simpson, city engr. made plans grading, curbing and paving, etc., 13,430 sq.yd. Russell St., Mizar and Linwood Aves. brick $102,783, asphalt $83,786.

O., Columbus — C. C. Lattimer, surv. Franklin Co., made plans grading and water bound macadam paving 0.347 mi., Main St. 16 ft., $9,325; 0.472 mi. Leland Ave., rein.-con. 26 ft. $29,454; 1,998 ft., Ingaham Ave., Brown, Schreyer Pl., East Rd. and Shields Pl. Rd., all foregoing 26 ft. wide. Kentucky asphalt on waterbound macadam $46,432. Kentucky rock asphalt on concrete base $41,952 and sheet asphalt on concrete $44,834.

O., New Philadelphia — Comrs. Tuscarawas Co., soon takes bids repaving 1.8 mi. Dover-Millersburg Rd. macadam $55,-000, concrete $65,500. E. Stringer, New Philadelphia, engr.

Michigan—State Hy. Dept. at County Rd. office, Bad Axe, takes bids about July 29, concrete paving 1 mi. S.T.L. 19-27, 20 ft. Huron Co. E. R. Benkert, Port Huron, engr.

Michigan—R. W. Roberts, res. engr., Saginaw, takes bids about Aug. 5, concrete paving 5.9 mi. T.L. 10-60, 20 ft. Genesee Co.

Michigan—State Hy. Dept. at County Rd. office, Bad Axe, takes bids about July 29, concrete paving 2 mi. T. L. 19-28, 20 ft. Huron Co. E. R. Benkert, Port Huron, engr.

Michigan—A. R. Schaefer, resident engr., Newberry, takes bids about Aug. 9, concrete paving 5 mi. F. A. 126, 20 ft., Menominee Co., for State Hy. Dept., Lansing.

Michigan — C. Vinton, engr., Jackson, takes bids about Aug. 12, grading, etc., 1.208 mi. T. L. 39-13, Ingham Co., for State Hy. Dept., Lansing.

Mich., Saginaw—Saginaw Co. plans two course gravel 2.1 mi. County A. D. 69, 12 ft.; and macadam on stone paving 2.05 mi. A. D. 90, and 2.75 A. D. 116, 16 ft. H. Barnett, engr.

Mich., Ypsilanti—City, H. C. Holmes, clk., made plans grading 7 in. paving 17,588 sq. yd. Pearson, West Congress, Sheridan, South Washington, and Hiawatha Sts. $50,000.

Ill., Chicago—Cook Co. Highway Dept., County Bldg., soon takes bids improving 5 mi. road from Barrington to county line. G. A. Quinlan, County Bldg., engr.

Minn., Minneapolis—Park Comrs., City Hall, making plans paving approximately 28 blocks West River Rd. $300,000. A. E. Berthe, city engr.

Mo., Kansas City—Making preliminary plans widening and paving Brush Creek Blvd. To exceed $25,000.

Tex., Alamo—Election soon $40,000 bonds, paving various streets. Engineer not selected.

Tex., Brackettville—Kinney Co. voted $150,000 bonds, resurfacing and surfacing 16 mi. various roads, 18 ft. J. H. Stadler, Judge. Noted June 10.

Tex., Carthage — T. E. Noren, judge Panola Co., making plans grading, bridging, etc., 8.916 mi. Highway 64, $90,000. O. E. Martin, Carthage, engr.

Tex., Corpus Christi—Election July 30, $225,000 bonds, hard paving approximately 30 blocks various streets. H. Levinson, city engr.

Tex., Gonzales—J. C. Romberg, judge Gonzales Co., making plans, 18 ft. gravel and asphalt surfacing 5,417 mi. Highway 3. $90,000. J. G. Irby, Nixon, engr.

Tex., Greenville—Hunt Co. making plans concrete paving, etc., 0.97 mi. Highway 34, 30 ft. $50,000. N. E. Peak, judge.

Tex., Huntsville—A. T. McKinney, Jr., Walker Co. judge, making plans bituminous macadam paving, etc., 15.3 mi. Highway 19 from Huntsville to Montgomery Co. Line. $425,000. D. K. Caldwell, Huntsville, engr.

Tex., Karnes City—D. O. Klingemann, judge Karnes Co., making plans asphalt macadam paving, etc. 5.838 mi. Highway 16, 18 ft. $70,000. E. G. Fehrankamp, engr.

Tex., Liberty—Election soon $50,000 bonds, paving approximately 25 blocks various streets. H. O. Compton, mayor.

Tex., Menard—Menard Co. making plans hard surfacing, etc., approximately 18 mi. highways radiating from here. $150,000. J. W. Matthews, judge. Noted Apr. 8.

Okla., Britton—Plans grading, curbing and concrete paving 9,740 sq.yd. Western Ave. $31,216. R. S. James, Court House, Oklahoma City, engr.

Okla., Erick—Plans grading and paving 6 blocks Main St., 76 ft. To exceed $25,000. C. E. Waite, Sayre, engr.

Okla., Prague—Plans grading, curbing and concrete paving 16,310 sq.yd. Bway. $48,400. J. M. Richards, Okemah, engr.

Okla., Stillwater—Greeley Twp., Payne Co. voted $150,000 bonds grading, etc., 30 mi. roads, 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Tulsa—Plans grading, curbing and sheet asphalt paving 15,135 sq.yd. and grading, curbing and concrete paving 21,-506 sq.yd. various streets. $159,818. C. Schultz, City Hall, engr.

Okla., Wewoka — Voted $68,200 bonds, paving 14 blocks various streets, 20 to 30 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Woodward—Plans grading, curbing and fibre brick paving 8,660 sq.yd. 8th St. $42,330. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Nev., Reno—Made plans paving, etc., Island Ave., Chestnut and Taylor Sts., etc. To exceed $25,000. H. Chism, city engr.

Calif., Compton—Made plans asphaltic concrete on 6 in. concrete paving, etc., Main St., Alameda Ave, etc. To exceed $25,000. E. M. Lynch, Central Bldg., Los Angeles, engr. Noted July 8.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Aug. 15, curbing, guttering, concrete and asphaltic concrete paving Ocean Ann P., Temple and Newel Sts. To exceed $25,000. J. C. Shaw, City Hall, engr.

Ont., Ottawa — Bd. Control, City Hall, soon takes bids, concrete curbing and guttering, asphalt paving Creighton St. from Charles St. to Beechwood Ave. approximately $52,000. A. F. Macallum, City Hall, engr.

B. C., Vancouver—Soon takes bids sidewalks, hardsurfacing various streets. $238,-000. C. Brackenridge, City Hall, engr.

Bids Desired

New Hampshire—Aug. 2, by State Highway Dept., Concord, 19,958 sq.yd. asphaltic macadam paving, etc. Dartmouth College St., to O. W. Feruald, Berlin, $53,738. Engrs. est. $61,000.

Vermont—July 30, by State Hy. Dept., Montpeller, concrete paving 2.34 mi. highways in 6 cities. State Hy. Dept., engr.

Massachusetts—Aug. 3, by Dept. Pub. Wks., Boston, bituminous macadam paving 19,217 ft. highways in Framingham, Southbridge and Hamilton; and gravel surfacing 7,230 ft. in Princeton. W. F. Williams, comr.

Mass., Boston—Aug. 3, by Dept. Pub. Wks., wood block paving Congress St.; Aug. 4, sheet asphalt or bitulithic paving Anson St. $25,000. J. H. Sullivan, comr.

Mass., East Boston (Boston P. O.)—Aug. 2, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Meridian St. $25,000. J. H. Sullivan, comr.

Mass., Norwell—Aug. 3, by Dept. Pub. Wks., Boston, bituminous macadam paving 3.020 ft. highway, 18 ft., here. W. F. Williams, comr.

R. I., Providence—Aug. 4, by State Bd. Pub. Rds., State House, paving 1.9 mi. Coventry-Plainfield Pike, Contr. 2612, and 4.5 mi. Exeter-Ten Rod Rd., Contr. 2615; waterbound macadam paving 1 mi. Little Compton-Adamsville Rd., Contr. 2613; and sheet asphalt paving 1.4 mi. East Providence-Pawtucket Ave., Contr. 2616; adv E. N.-R. July 29.

New York—Aug. 6, by A. W. Brandt, comr. Highways, Albany, improving and bridging roads in Nassau, Orange, Orleans, Otsego, Schuyler, Ulster and Wyoming Counties; also reconstructing roads in Columbia, Franklin, Livingston, Ontario, Madison, Nassau, Orange, St. Lawrence and Schenectady Counties; adv. E. N.-R. July 29. This corrects report in July 22 issue.

N. Y., Bronxville — Aug. 10 (extended date), by Westchester Co. Park Comn., 72 Pondfield Rd., grading, etc., portion Hutchinson River Parkway extension, and 4 stone faced rein.-con. bridges on above, White Plains. J. Downer, ch. engr.; adv. E. N.-R. July 29. Noted July 22.

N. Y., Brooklyn—Aug. 3, by Park Bd. at office Dept. Parks, Arsenal Bldg., Central Park, New York City, sheet asphalt on concrete paving settled portions roadway pavement, Bushwick Parkway, here.

N. Y., Brooklyn—Aug. 4, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading, curbing and flagging Rockaway Parkway, East 28th St., and Troy Ave.; recurbing and asphalt paving Colonial Rd.; asphalt repaving Ditmas Ave. and Tillary St.; asphalt on concrete paving Sedgwick Pl., Troy Ave., 48th and East 28th Sts.; grading sidewalk spaces where necessary on 8th Ave., etc.

N. Y., Long Island City—Aug. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks, etc.,

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Streets and Roads (Continued)

or Northern Blvd., Mott and Foster Aves., Booth and 94th Sts.; grading, curbing, guttering sidewalks and bulkhead in Hammels Blvd.; also grading and asphalt on concrete paving Woodside Ave. from 8th to 76th Sts. and from 76th St. to Baxeter Ave., Central Ave., Singer (Lawrence), Pansy and Ramsey Sts., etc.

N. Y., New York—Aug. 3, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block on concrete repaving 12th Ave., West St., and Marginal Street wharf.

N. Y., St. George — July 30, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and bituminous concrete repaving Forest Ave.

N. Y., St. George—Aug. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete curbing with steel guard, etc., Greenwood Ave.

New Jersey — Aug. 16, by State Hy. Dept., Trenton, grading and rein.-con. paving 52,024 sq.yd. Route 8, Sect. 7, Stockholm-Beaver Lake Rd., Morris, Passaic and Sussex Counties. A. L. Grover, secy.; adv. E. N.-R. July 29.

N. J., Dennisville—Aug. 4, by Freeholders Cape May Co. (Cape May), T. M. Hand, co. clk., bituminous concrete paving 11,902 sq.yd. Dennisville-Woodbine Rd. R. F. Smith, Marmora, engr.

N. J., New Brunswick—Aug. 5, by Bd. Freeholders Middlesex Co., grading and concrete paving 11,740 sq.yd. Jamesburg-Englishtown Rd., 11,500 sq.yd. Woodbridge-Roosevelt Rd., 5,313 sq.yd. road between railroad tracks, at Milltown, 2,984 ft. Whitehead Ave., South River, and 1 mi. Raritan St., South Amboy. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

Pa., Phila.—Aug. 5, by Dept. Pub. Wks., Bureau of Highways, Schedule A, grading 7,135 cu.yd. 7 streets; Schedule B, asphalt paving (assessment work), 16,966 sq. yd. 7 streets; Schedule C, improving 5,496 sq.yd. 3 country roads; Schedule D, repairing bridges; Schedule E, 200 tons asphaltic cement; Schedule F, 1,700 cu.yd. sand and 220 tons limestone dust for asphalt paving mixtures; Schedule G, 2,000 tons 3 in. crushed stone, binder slag and crushed pebbles; and Schedule H, 100,000 gal. fuel oil, etc. W. R. Rodgers, Jr., acting dir.

Pa., West View—Aug. 10, by C. A. McClaine, secy., grading, paving, etc., Columbia, Oakwood, Amherst and Oshford Ave. $50,000. Blum Weldin & Co., 417 Grant St., Pittsburgh, engrs.

D. C., Wash.—July 30, by Dist. Comrs., District Bldg., grading 45,400 cu.yd. various streets.

Florida — Aug. 3, by State Hy. Dept., Tallahassee, grading, etc., 11.9 mi. roadway, Collier Co. T. Cresap, Tallahassee, engr.

Alabama—Aug. 18, by State Hy. Comn., Montgomery, gravel surfacing 14 mi. Jackson Highway, 18 ft., Marion Co. $78,500. W. A. McCalla, highway engr.

Ala., Birmingham—Aug. 15, by City Comn., grading, sidewalks, guttering and asphalt on concrete paving 5 blocks 5th Ave., 50 ft., $56,840, 4 blocks 30th Ave., 60 ft., $39,650, 4 blocks Gaymont Ave., 50 ft., $39,400; asphalt on concrete paving 1 block 62nd St., 60 ft., $4,400, 5 blocks 23rd St. (Ensley), 40 ft., $22,000 and 3 blocks 15th Ave., 60 ft., $6,170.

Louisiana — Aug. 3, by Louisiana Hy. Comn., Baton Rouge, gravel surfacing 4.515 mi. Federal Aid Project 166-B, Jena-Jonesville Highway; hard surfacing 9.98 mi. Jefferson Parish, 1.52 mi. Federal Aid Project 173-A, and Federal Aid Project 200, Shrewsbury-Carrolton Highway, from Shrewsbury to Orleans Kenner Railway. W. R. Robert, Baton Rouge, highway engr.

Ohio—July 30, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, grading, etc. 1.763 mi. Sect. "R" Ohio River Rd., brick, $61,072 concrete $57,857, and 1.78 mi. Sect. "N" Steubenville-Cambridge Rd., both in Jefferson Co., bituminous macadam, $74,016, 5.841 mi. Sect. "G" and "H-2" Toledo-Wauseon Rd., Lucas Co., bituminous macadam, $261,483 concrete, $232,871, and 6.218 mi. Sect. "Harding Memorial" Marion-Delaware Rd., Marion Co., sheet asphalt, $27,371.

O., Cleveland—Aug. 4, by City, paving various streets. R. Hoffman, City Hall, engr.

O., Cleveland—Aug. 16, by Bd. Educ., East 6th St. and Rockwell Ave., grading, walks, masonry work, landscaping, etc., at Henry W. Longfellow School. G. M. Hopkinson, Auditorium Garage Bldg., engr. engr.

O., Garfield Heights (mail Cleveland) — Aug. 5, by Cuyahoga Co., paving Cranwood Park Blvd., Forestdale Dr. and Birchwood Rd. R. Munz, Town Hall, engr.

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O., New Philadelphia—Sept. 1, by City Council, sheet asphalt on concrete paving East Ave., $50,000-$60,000; also asphalt resurfacing East High St. and North Bway., $25,000.

Ind., Indianapolis—Aug. 2, by Bd. Pub. Wks., grading and wooden block, asphalt or asphaltic concrete on 6 in. concrete paving Lee St., $37,923; Blaine Ave. from Minnesota St. to Kentucky Ave., and Blaine Ave. from Morris to Minnesota Sts., $42,-183. G. G. Schmidt, City Hall, engr. Noted June 10.

Ind., Madison — Aug. 3, by Bd. Comrs. Jefferson Co., gravel paving, etc., 408,006 mi., W. C. Roth, J. D. Holliday, J. W. Tevis, et al, Elmer E. Scott, et al, G. D. Schway, et al, William A. Douat, et al, and James T. Green, et al, Rds., Projects 1 to 7 inclusive. $101,713. H. E. Wells, co. aud.

Michigan—See "Contracts Awarded."

Michigan—July 31, by A. M. Hopperstead, resident engr., Crystal Falls, at County Rd. Office, Ishpeming, concrete paving 7.899 mi. F. A. 174, Sect. A, 20 ft., Marquette Co., for State Hy. Dept., Lansing.

Michigan — Aug. 3, by H. C. Fleming, resident engr., Grand Rapids, concrete paving 33,034 sq.yd. T. L. 24-32, 18 ft., Muskegon Co., for State Hy. Dept., Lansing. State furnishes 10,429 bbl. cement. Noted July 22.

Michigan—Aug. 3, by A. M. Hopperstead, resident engr., Crystal Falls, macadam surfacing 22,162 sq.yd. T. L. 12-45, 18 ft., Dickinson Co., for State Hy. Dept., Lansing. Noted June 17.

Michigan — Aug. 5, by R. W. Roberts, resident engr., Saginaw, concrete paving 12,700 cu.yd. T. L. 10-60, 20 ft., Genesee Co., for State Hy. Dept., Lansing. State furnishes 19,555 bbl. cement. Noted July 29.

Mich., Birmingham — Aug. 2, by H. E. Lawler, village clk., curbing, guttering, concrete paving and regraveling with Tarvia treatment 7,000 sq.yd. various streets. McGaughan & Ransom, 413 Pontiac Bank Bldg., Pontiac, engrs. Noted July 22.

Mich., Flint—Aug. 3, by Genesee Co., grading, etc., 7 mi. Vienna Rd. J. H. Dennis, Flint, engr.

Illinois — Aug. 4, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick, or bituminous concrete with or without binder course paving 3.48 mi. Route 18, Sect. 16, La Salle and DeKalb Counties, 4.62 mi. Sect. 17, 3.01 mi. Sect. 18, 6.26 mi. Sect. 19, 5.76 mi. Sect. 20, and 1.25 mi. Sect. 20-X, all Route 18, La Salle Co.; grading 0.34 mi. Route 18, Sect. 19-A, La Salle Co.; also 40 ft. span and 24 ft. span rein.-con. bridges on Route 18, Sect. 20-B, La Salle Co. F. T. Sheets, ch. highway engr.

Ill., Chicago—Aug. 3, at office Bd. Local Impvts., Room 207, City Hall, grading, 7 in. concrete paving, etc., portions of 14 alleys; grading, curbing, guttering and asphalt on 6 in. concrete, asphalt on 8 in. concrete, 8 in. 2 course grnaite top, 6 in. concrete or 8 in. concrete paving portions of 15 streets and avenues. J. J. Sloan, pres.

Ill., Chicago—Aug. 4, by Cook Co. Highway Dept., County Bldg., concrete paving 6.5 mi. Cicero Ave. $332,886. G. A. Quinlan, County Bldg., engr.

Wisconsin—Aug. 4, at Office 2, Stephenson Bldg., Milwaukee, grading, etc., 7.19 mi. State Project Job 2670. Sheboygan Co. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Aug. 5, at Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading, concrete paving, etc., 13,554 sq.yd. State Project Job 4343, Juneau Co.; and 1,239 sq.yd. State Project 4319, Portage Co. J. T. Donaghey, Madison, ch. engr.

Wis., La Crosse—Aug. 2, by C. C. Congdon, city engr., City Hall, grading 60,131 cu. yd. and filling 25,295 cu.yd. various streets. To exceed $25,000.

Wis., Sheboygan—Aug. 4, by H. W. Vroman, 440 Milwaukee St., Milwaukee, grading, etc., 136,835 cu.yd. Plymouth Elkhart Lake Rd., Sheboygan Co., here. J. T. Donaghey, Madison, ch. engr.

Wis., South Milwaukee — Aug 2, by grading, sheet ashalt, concrete, vibrolithic concrete or macadam paving, etc, approximately ¾ mi. Hawthorne Ave. To exceed $25,000. H. C. Webster, 216 West Water St., Milwaukee, engr. Noted July 15.

Iowa—Aug. 3, by State Hy. Dept., Ames, gravel surfacing Primary Road 20, Federal Aid Project 21, Jackson Co., Primary road near Washington, Washington Co.; grading and gravel surfacing 2.728 mi. Victor-Brooklyn Rd., Federal Aid Project 261, Poweshiek Co. and 7.781 mi. Glenwood Rd., Federal Aid Project 226, Mills Co., also guard rail in Chickasaw Co. F. R. White, ch. engr.

Ia., Clinton—Aug. 4, at office Auditor Clinton Co., graveling, etc., 9.75 mi. Wheatland-Lost Nation Rd. E. Lorenzen, Clinton, co. engr. Noted Mar. 4.

Ia., Denison—Aug. 3, by Auditor Crawford Co., improving roads, 15,000 cu.yd. crushed gravel 1 mi. haul, 264,000 tons ½ mi. haul, etc. W. J. Wearmouth, Court House, engr.

Ia., Iowa City—Aug. 5, at office Auditor Johnson Co., graveling 2.6 mi. roads. C. M. Griffith, Iowa City, co. engr.

S. D., Sioux Falls—Aug. 12, by W. C. Layse, city aud. and State Hy. Comn., Pierre, concrete paving, etc., 24,587 sq.yd. various streets.

Missouri—Aug. 4, by State Hy. Comn., Jefferson City, grading, etc., approximately 115 mi. various roads in 26 counties. B. H. Piepmeier, ch. engr.

Washington — Aug. 17, by State Hy. Comn., Olympia, grading, etc., approximately 1.5 mi. State Rd. 12, Cowlitz Co., grading, crushed graveling, etc., 4,000 cu.yd. State Rd. 4, Okanogan Co.; and constructing 2 concrete T-beam bridges over Nasel River and Salmon Creek, State Rd. 12, Pacific Co. W. W. Hoover, Olympia, state engr.

California—Aug. 6, by A. L. Wisker, secy., Nevada Irrigation Dist., Grass Valley, grading and surfacing, etc., 7,250 sq.yd. Unit 2 of Bowman Lake Rd. F. H. Tibbetts, Alaska Comm. Bldg., San Francisco, engr.

Calif., Santa Rosa—Aug. 10, by W. W. Folt, Jr., clk., Sonoma Co., grading and concrete paving 1,985 cu.yd. road from state highway to Fulton, Sonoma Co. $25,000. E. A. Peugh, Santa Rosa, co. surv.

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, from J. D. Norton, 20 Sterling Pl., granite block paving Centre St., $7,285, from Leonard Paving Co., Woolworth Bldg., New York City, Wallabout St., $62,799; grading, curbing, etc., from G. M. Mandato, 129 29th St., Ryder St. $3,811, from F. Persicano, 350 Fulton St., 53rd St., $3,442 and sidewalks on East 4th St., $3,787; from M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving East 4th St., $6,143, East 26th St., $4,962, Ryder St., $6,467, 53rd St., $6,230 and 93rd St., $3,986; from Boro Asphalt Co., 1301 Metropolitan Ave., Pitkin Ave., $4,518; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Nevins St., $3,802, Snyder Ave. $75,063; from B. Turecamo Contg. Co., 8706 Bay 12th St., 75th St., $10,909, and 79th St. $6,351; and concrete paving from Connor Bros., 629 Albany Ave., East 33rd St. $24,347. Noted July 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 16, from Cleveland Trinidad Co., Flushing, sheet asphalt paving 162nd St. $18,672, Gerry St. $23,735, from Highway Impvt. & Repair Co., 50 Church St., New York City, 105th St. $17,100, 107th St. $13,-394, 113th St. $18,558, 113th St. $12,825, from Sicilian Asphalt Paving Co., 41 Park Row, New York City, 107th St. $26,958, Fairview $3,468, Pulaski St. $17,992, 89th St. $15,968, 74th St. $13,365, 94th St. $28,-200, and 159th St. $18,570; from W. P. MacDonald Constr. Co., Lawrence St., Brooklyn, 51st St. 40,295, 51st St. $25,172, from Boro Asphalt Co., 1301 Metropolitan Ave., Brooklyn, 51st St. $59,425; from C. H. Georgia, Inc., sidewalks on 103rd Ave. $6,270, and Pulaski St. $3,331, from Peace Bros., Inc., 57 North Lawrence St., Flushing, 88th St. $5,190, and 113th St. $8,703; from O'Brien & Kurth, Inc., 6311 5th Ave., Brooklyn, 105th St. $7,617, from Welch Bros. Contg. Co., 32 Queens St., Astoria, 6th St. $19,311, Gerry Ave. $14,443, Stone St. $17,131. Noted July 8.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., July 23, grading, curbing, sidewalks, and bituminous concrete on concrete paving Andrews Ave., from Interboro Asphalt Paving Co., 2306 Creston Ave., $23,445. Noted July 15.

Delaware—State Hy. Dept., Dover, July 14, grading, etc., (a) stone (b) slag, (1) 2.10 mi. Cedar Neck School towards Milford, Contr. 68 (2) 4.2 mi. Townsend-Dexters Corner, Contr. CN-33 (3) 4.71 mi. Harbeson-Indian Mission, Contr. CS-54, from Highway Eng. & Contr. Co., Shelbyville, (1) $15,231 (b3) $103,893, from Kirk Bros., Upper Darby, Pa., (2) $34,540, from Old Line Constr. Co., Chestertown, Md., (a3) $106,576. Noted June 24.

Md., Baltimore—Bd. Awards, sheet asphalt paving 14,640 sq.yd. Contr. 343 from P. Flanigan & Sons, Hartford Rd. & Baltimore & Ohio R.R. tracks (A) $53,494 (b) $49,769; concrete paving 21,600 s.yd. Contr. 352 from Aiello Constr. Co., 4th and Gough St. $54,802.

Ohio—G. F. Schlesinger, state hy. dir., July 16, from Suiter Co., Manchester, traffic bound macadam paving 3.56 mi. Sect. "A" West Union Portsmouth Rd., Adams Co., $11,300, from C. H. Dunn, Mt. Orab.

Streets and Roads (Continued)

0.174 mi. Union-Hillsboro Rd., Adams Co., $5,053, and surface treated macadam paving 1.467 mi. Sect. "Winchester" Batavia-Winchester Rd., Adams Co., $33,190, from F. Stone Co., Toledo, traffic bound macadam paving, 2.65 mi. Sect. "Z" Barberton-Greenwich Rd., Huron Co., $5,604, 7.6 mi. Sect. "C," etc., Shelby-Galion Rd., Richland Co., $10,968, 4.5 mi. Sect. "C-1" Ganges-Plymouth Rd., same county, $10,-265, and traffic bound gravel or limestone 5.5 mi. Sect. "A-1," etc., Plymouth-Bucyrus Rd., Crawford Co., $11,309, from H. E. Pratt, Findlay, traffic bound macadam paving, 3.9 mi. Sect. "E" Savannah-Vermillion Rd., Huron Co., $9,900, from Craig & Jordan, Blanchester, 5.27 mi. Sect. "E" New Matamoras-Bloomfield Rd., Washington Co., $6,085; from Spencer Stone Co., Spencerville, surface macadam paving 2.1084 mi. Sect. "E-3" Lima-Spencerville Rd., Allen Co., $34,745, from G. A. Ladd, Weston, 3.362 mi. Sect. "C" Barberton-Greenwich Rd., Ashland Co., $31,553; from Erman & Seible, Defiance, traffic bound gravel or limestone, 6.5 mi. Sects. "E" and "F" Columbus-Sandusky Rd., Crawford Co., $13,492, from E. Dunn, Carey, 2 mi. Sect. "F" Bucyrus-Clyde Rd., Crawford Co., $4,280; from G. R. Ralston, Logan traffic bound limestone paving 4.5 mi. Sect. "C" Nelsonville-New Straitsville Rd., Hocking Co., $9,968; from F. Weis, Logan, traffic bound gravel, 4.5 mi. same road and county, $9,371, from R. Shaffer, Athens, 14.2 mi. Sect. "D-2" Woodsfield-Clarington Rd., Monroe Co., $16,045, from R. S. Toyer & Bixby, Aurora, 1.7 mi. Sect. "B-2" Aurora-Warren Rd., Trumbull Co., $3,736; from Lynn Constr. Co., Paulding, concrete paving, etc., 2.006 mi. Sect. "B-2" Findlay-Delphos Rd., Allen Co., $66,700, from Lewis & Copeland, Lima, 5.471 mi. Sects. "B-1," etc., Youngstown-East Liverpool Rd., Columbiana Co., $75,106, 0.851 mi. Sect. "H," same road and county, $22,503, 1.95 mi. Sect. "G-2," same road and county, $72,600, from Dorsey Constr. Co., Findlay, 6.881 mi., Sect. "C" Upper Sandusky-Delphos Rd., Hancock Co., $198,-910; from W. Sousley, Ada, bituminous macadam paving, same road, etc., $177,-863; from R. Daoust, Defiance, concrete paving 13.244 mi. Sects. "D," etc., Defiance-Napoleon Rd., Henry Co., $218,407, from Brewer & Brewer Sons, Chillicothe, Sects. "F" and "J," Jackson-Pomeroy Rd., Jackson Co., $20,013, from G. La Boiteaux, Toledo, 1.492 mi. Sect. "H" Beno-Port Clinton Rd., Lucas Co., $57,305; from Griggs & Anderson, Millersburg, 2.782 mi. Sect. "S," etc., Barberton-Greenwich Rd., Medina Co., $43,021, from W. J. and F. L. Howell, Wapakoneta, 0.4146 mi. Sect. "Ludlow Falls" Dayton-Covington Rd., Miami Co., $16,553, from W. L. Johnson Co., Hicksville, 4.532 mi. Sects. "B" and "C" Ottawa-Grand Rapids Rd., Putnam Co., $91,516 from Van Waggoner Co., Bowling Green, bituminous macadam paving, same road, $79,115, from LeRoy Springer Co., New Philadelphia, 1.802 mi. Sect. "P-2" Canal Dover-Millersburg Rd., Tuscarawas Co., $53,587, and from W. M. Gray, 408 Fairwood Ave., Columbus, waterbound macadam paving same road, $44,017; from W. H. Ringwald & Sons, Cellicothe, brick paving 2.035 mi. Sect. "U" and "Amanda" Cincinnati-Zanesville Rd., Fairfield Co., $52,385, from D. A. Orr Co., Columbus, 4.032 mi. Sect. "A-2" Harrisburg-Westville Rd., Stark Co., $191,180, concrete paving, same road, $138,533, 5.174 mi. Sect. "C" and "Delroy" Carrollton-New Philadelphia Rd., Carroll Co., $43,611; from E. J. Kane, granulated slag paving 4.15 mi. Sect. "R" Youngstown-Salem Rd., Mahoning Co., $41,-386; from Seneca Constr. Co., Kansas City, bituminous macadam paving 7.05 mi. Sect. "A" Tiffin-New Haven Rd., Seneca Co., $177,242, concrete paving, same road, $201,224, from J. H. Murphy et al, Burgoon, bituminous macadam paving 0.914 mi. Sect. "I" Fostoria-Carey Rd., $14,689, and 3.505 mi. Sect. "K" same road, both in Seneca Co., $69,531; from Evans Bros., Hubbard, water bound macadam paving, 6.32 mi. Sect. "E-1" Warren-Meadville Rd., $93,056, from Mahoning Contg. Co., Warren, 3.61 mi. Sect. "Q" Chagrin Falls-Greenville Rd., both in Trumbull Co., $74,-400; from S. A. Phillips & Son, Ashland, widening with brick or concrete, 2.473 mi. Sect. "A" Ashland-Wooster Rd., Ashland Co., $58,616; from Enterpise Paving Co., 8436 Bway. Ave., Cleveland, grading and widening, 5.345 mi. Sect. "A" Cleveland-Sandusky Rd., Cuyahoga Co., brick $233,470 concrete $205,545; from R. F. Shipley, Chagrin Falls, widening and resurfacing with traffic bound gravel, 2 mi. Sect. "E" Chardon-Madison Rd., Geauga Co., $17,-917; from O. L. Smith, Leipsic, widening and paving with water bound macadam, 2.106 mi. Sect. "F" Lima-Ottawa Rd., Putnam Co., $36,205; from Merkle Bros., Mansfield concrete widening, 9.347 mi. Sect. "M," etc., Ashland-Medina Rd., Medina Co., $61,001 and 2.238 mi. Sect. "A" and "X," Monroeville-Willard Rd., Huron Co. $20,229; from C. D. Finch, Bowling Green, 0.1101 mi. Sect. "K-1" Toledo-Elmire Rd., Ottawa Co., $3,070; from A. J. Baltes, Norwalk, 2.167 mi. Sect. "A-2" Fremont-Port Clinton Rd., Sandusky Co., $53,705; and concrete widening and repairing, Sect. "N-1," etc., Medina-Norwalk Rd., Medina Co., $94,806 from Mansfield Asphalt Paving Co., Mansfield, 0.937 mi. Sect. "I" Mansfield-Mt. Gilead Rd., Richland Co., $23,661; from Culbertson & Casper, Canton, grading and drainage structures only, 0.077 mi. Sect. "J" and "F" Steubenville-Cambridge Rd., Harrison Co., $104,379; from Guilfird & Wright, Akron, 1.372 mi. Sect. "G-2" Cadiz-Carrollton Rd., both Harrison Co., $11,677, from C. A. White Co., Willoughby, rein.-con. widening and resurfacing 1.084 mi. Sect. E, Cleveland-Meadville Rd., Geauga Co., $36,552. Noted July 8.

Michigan — State Hy. Dept., Lansing, July 12, concrete paving 5.119 mi. F. A. 162, Sect. A, 20 ft., Iron Co., from H. Holmes, Crystal Falls, $176,21.2

Michigan — State Hy. Dept., Lansing, paving 7.899 mi. F. A. 174, Sect. A, 18 ft., Marquette Co., from S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., concrete $251,049, and macadam $306,960.

Michigan—State Hy. Div. office, Saginaw, concrete paving 0.505 mi. T. L. 47-14 20 ft. Shiawassee Co. from R. R. Scott Co. Saginaw, $27,062; concrete paving 0.585 mi. same road 20 ft. from Rowe Constr. Co., Sebewaing, $28,539.

Michigan—State Hy. Dept. at comrs. office, Saginaw, July 12, concrete paving 1.77 mi. T. L. 46-6, 20 ft., Gratiot Co., from A. J Rehmus, Bay City, $52,379.

Michigan — State Hy. Dept., Lansing, grading, etc., 17,435 mi. F. A. 163, Sect. A, Gogebic Co., from Fitzpatrick Bros., Lamont and Calvj Sts., Ironwood, $149,392.

Wis., Beloit—G. E. Heebink, engr., City Hall, July 12, paving various streets, from Western Asphalt Paving Co., 2100 East 14th St., Sioux City, Ia., one course rein.-con. at $31,896; and vibrolithic concrete, $37,146. Noted July 8.

Minn., St. Paul—Sheet asphalt paving Ford Rd. between Snelling and Cleveland Aves., from Fielding & Shepley, 216 University Ave., oil asphalt $119,396; and lake asphalt $122,999.

Neb., Omaha—J. P. Hoctor, city clk., July 13, paving 62,101 sq.yd. streets in Dist. 2916, from National Constr. Co., 811 Federal Bldg., asphalt at $2.67 per sq.yd., asphaltic concrete $2.37, brick block $3.69 and $3.19.

Tex., Weatherford — Parker Co. paving 16.59 mi. Highway 1, from Miller-Cobb Constr. Co., Dallas, amiesite $423,010; rock asphalt $423,010. Engrs. est. $400,000.

Colorado—State H. Dept., Denver, paving 5.79 mi. Highway 1, Federal Aid Project 283-C, Boulder Co., from J. H. Miller, 617 East 1st Ave., Denver, $196,704, and 2.45 mi. Highway 6, Federal Aid Project 231-R, Pueblo Co., from J. F. Roberts Constr. Co., Tramway Bldg., Denver, $69,580; gravel surfacing 4.426 mi. Highway 4, Federal Aid Project 258-D, Gunnison Co., from H. C. Lallier, Continental Trust Bldg., Denver, $52,740, and 1.303 mi. Highway 6, Federal Aid Project 271-E, Fremont Co., from E. H. Honnen, Colorado Springs, $35,815; 50 ft. span low truss bridge with timber approach spans over Cat Creek, on Highway 59, State Project 524, Baca Co., from C. O'Neil, Platteville, $6,170, and 60 ft. pony truss bridge with timber approach span on Highway 96, State Project 623, Lincoln Co., from J. R. Donaghy, Colorado Springs, $5,764.

Nevada—State Hy. Com., Carson City, July 7, constructing 8.33 mi. Hafed-Clark Rd., from A. Hailden Co., Truckee, Calif. $76,455; and rein.-con. girder bridge over Truckee River near Wadsworth, from F. Coolidge, Eureka, $31,615, both in Washoe Co. Noted July 1.

Wash., Seattle—Bd. Pub. Wks., July 2, grading, etc. 175,000 cu.yd. Fauntleroy Ave. et al, from F. McClellan, Lyon Bldg. $155,943.

Wash., Seattle—Bd. Pub. Wks. 6 and 7 in. concrete paving, etc., 88,750 sq.yd. Woodlawn Ave., et al., from Firrito Bros., 3950 6th St. N. W. $192,545.

Calif., Alhambra—City Trustees, July 12, grading and concrete paving, etc., 542,077 sq.ft. Hellman Ave., from Hall-Johnson Co., Alhambra, approximately $140,695.

Calif., Burlingame—Trustees, July 6, from Union Paving Co., Call Bldg., San Francisco, improving Easton and Hillside Drs., etc., 227,640 sq.ft. 1½ in. Warrenite surfacing, $0.238 per sq.ft., etc., total $100,-015. Noted June 24.

Calif., El Monte—B. B. Moore, city clk., July 6, from Hall-Johnson Co., 95 Westminster St., Alhambra, improving Brockway Ave., Nevada St., etc., 4,178 lin.ft. curbing, $0.43 per lin.ft., 20,550 sq.ft. sidewalk $0.15, 79,580 sq.ft. 5- to 7-in. concrete paving, $0.19, etc., total $25,972. Noted July 1.

Calif., Los Angeles—Bd. Pub. Wks., July 6, from G. H. Oswald, 266 East 58th St., improving Grenshaw Blvd. between Wilshire Blvd. and Washington St., grading $15,000, 52,297 sq.ft. asphalt on concrete paving, $0.2225 per sq.ft., 124,750 sq.ft., $0.125, 210,190 sq.ft. $0.23, etc., total approximately $129,175; from Los Angeles Paving Co., 3200 East Vermont Ave., improving Texas Ave. between Westgate and Centinela Aves., grading $16,000, 562,075 sq.ft. 6½ in. asphalt paving, $0.20 per sq.ft., 56,520 sq.ft. 6 in. concrete paving, $0.185, etc., total approximately $181,-950. Noted July 1.

Calif., Los Angeles—From Curtis Paving Co., 2440 East 26th St., improving Bway., grading $8,000, 223,731 sq.ft. asphaltic paving at $0.24 per sq.ft., etc., total approximately $110,905; from Chalmers & Ford, I. W. Hellman Bldg., Micheltorena St., grading $12,000, 154,304 sq.ft. 5 in. concrete paving $0.18, etc., total approximately $77,135; also from McCray Co., Subway Terminal Bldg., Benton Way, grading $8,500, 51,343 sq.ft. 5 in. concrete paving $0.21, etc., total approximately $27,935. Noted July 15.

Calif., Riverside—Riverside Co., grading and crushed gravel or stone surfacing 9.5 mi road between Black Butte and Blythe Sts., from S. Y. Faucett, 4002 Walton Ave., Los Angeles, $63,956.

Contracts Awarded

Mass., Boston— For sheet asphalt paving Arnold St., to J. F. Kennedy Constr. Co., 6 Beacon St., $38,780.

N. Y., Bronxville—Westchester Co. Park Comn., 72 Pondfield Rd., grading, etc., portion Hutchinson River Parkway extension from Mamaroneck Ave. to Westchester Ave., Contr. 107, to Smith Bros., 5th Ave., Pelham, $198,700. Noted July 22.

N. Y., Rye—Westchester Co. Park Comn., 72 Pondfield Rd., grading, etc., Cross County Approach Rd., here, to A. Pastore, 15 Highland Ave., New Rochelle, $69,288. Noted July 8.

Pa., Pittsburgh — Grading, paving, etc., Richbarn Rd., to M. O'Herron Co., South McKear St., $24,403. Engrs. est. $25,000.

Md., Baltimore—Bd. awards, concrete paving 4,735 sq.yd. streets listed in Contr. 351 to G. Long Contr. Co., 1st Ave. and 12th St., $12,000, and sheet asphalt paving 8,160 sq.yd. streets in Contr. 350, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St. $28,883.

Ga., Atlanta—To Meador Constr. Co., 10 West Harris St., vibrolithic paving 4,994 sq.yd. streets, at $2.18 per sq.yd., and 640 sq.yd. at $2.48, to Jamison & Hallowell, Candler Bldg., 1,323 sq.yd., $2.23, and 4,340 sq.yd., $2.18.

Alabama—State Hy. Comn., Montgomery, **(e. e. means engineer's estimate)**, to Collins & Hicks, Milton, Fla., grading 12.5 mi. Perdido Station-Bay Minette Rd., 20 ft., Baldwin Co. $98,162, e. e. $100,000, to I. C. Britton, Jasper, 12.88 mi. Haleyville-Phil Campbell Rd., 18 ft., Marion, Winston and Franklin counties $71,349 e. e. $72,000, to E. P. Toulman, Toulmanville, Mobile, 10.85 mi. Theodore-Grand Bay Rd., 18 ft., Mobile Co. $71,620, e. e. $72,000, to J. Graham, Montgomery, 13.05 mi. Montgomery-Lowndes Co. line Rd., 20 ft., Montgomery Co. $53,825, e. e. $54,000; to Wofford & Co., Dotham, sand clay surfacing 4.76 mi. Clayton-Eufaula Rd., 18 ft., Barbour Co. $27,391, e. e. $28,000, 14.72 mi. Eufaula-Henry Co. line Rd., 20 ft., Barbour Co. $85,425 e. e. $87,000, and 13.35 mi. Abbeville-Ft. Gaines Rd., 18 ft., Henry Co. $106,152, e. e. $107,000; to A. H. Singer, Lafayette, top soiling 17.29 mi. Kellyton-Elmore Rd., 18 ft., Coosa Co. $113,756, e. e. $115,000; to J. W. Gwin, Hamilton Station, Birmingham, gravel surfacing 12.28 mi. Haleyville-Phil Campbell Rd., 18 ft., Marion, Winston and Franklin Counties, $35,398, grading 23.34 mi. Heflin-Georgia State line Rd., 18 ft., Cleburne Co. $196,-407, e. e. $198,000, and 8.61 mi. Jacksons Gay-Waverly Rd., 18 ft., Tallapoosa Co. $55,592, e. e. $56,000. Grand total $915,-077. Noted June 24.

Ala., Sheffield—Curbing, guttering 4 ft. concrete sidewalks and paving 10 blocks various streets, to W. J. Runyon & Co., Sheffield, $54,000. Engrs. est. $55,000. Noted May 27.

Ky., Murray—Grading, curbing, guttering and sheet asphalt paving 24,930 sq.yd.

Constr. News page 75

It Does the Work of a Gang of Men

"Little Tugger" Hoist.

IMAGINE what a gang of men it would take and how much time would be consumed in raising these heavy blocks of roofing material to the top of this forty-foot building.

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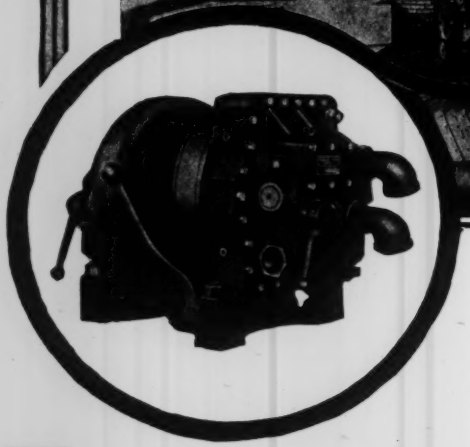
Request Bulletin 4059 on Single Drum Hoists.



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Streets and Roads (Continued)

4 streets, to Federal Asphalt Paving Co., 219 High St., Hamilton, O., $84,218. Engrs. est. $89,456. Noted May 20.

O., Akron—W. F. Peters, dir. Pub. Serv., (e. e. **means engrs. est.**), to T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing and paving, etc., Schumacher St., $21,316 e. e. $26,700; West Exchange St., $110,570 e. e. $140,000; Raymond St., $44,704 e. e. $56,700; and Eastland Ave., $176,590. Noted July 22.

O., Cleveland—City, to Enterprise Paving & Constr. Co., 8444 Bway., brick paving East 134th St. S. E. $10,393, and bituminous concrete paving Oakfield Ave. $28,443, to Bentley Bros., Hanna Bldg., East 7th St. $4,235; to Gould & Maybach, 16311 Saranec Rd., brick paving East 174th St. $19,866, and East 175th St. $13,354, to Roehl Bros., 7002 Denison Ave., West 17th St. $8,407, West 137th St. $5,948, and West 138th St. $6,899, bituminous concrete paving West 20th St. $12,563, and West 138th St. $4,935, also concrete paving West 74th St. $1,155; to Baldwin Bros., 4500 Euclid Ave., bituminous concrete paving Gilbert Court, $2,015. Grand total $118,213. Noted July 1.

Indiana — State Hy. Dept., Indianapolis, concrete paving, etc., State Rd. 10 from Lake Village to Belshaw, Lake and Newton Counties, to Cast Stone Constr. Co., Eau Claire, Wis., $87,979, and State Rd. 1, from Taylorsville to Sugar Creek, Bartholomew and Johnson Counties, to W. Vogel, 702 West Morris, Indianapolis, $109,735.

Ind., Ft. Wayne—Comrs. Allen Co., constructing 2 sections Woodburn Rd., to W. D. Vogel, 702 West Morris Ave., Indianapolis, $125,553 engrs. est. $150,000, and to R. Daoust, Defiance, $136,465 engrs. est. $173,000.

Ind., Indianapolis — Comrs. Marion Co., bituminous macadam paving 33,600 sq.yd. J. E. Harbison Rd. and Tibbs Ave., from Washington to 30th Sts., to Hayes Constr. Co., 1503 West 30th St., $74,211. Engrs. est. $77,017. Noted July 8.

Michigan—State Hy. Dept., Lansing, will pave with concrete 31,641 sq.yd. F. A. 167, Sect. A, Jackson Co., by day labor. C. Cowgill, Jackson, engr.

Mich., Detroit—For 3½ in. sheet asphalt on 8 in. concrete paving Haverhill Rd., Elmira, Cheyenne, Putnam Aves., etc., to Detroit Asphalt Paving Co., 909 Transportation Bldg., $252,265; Lolac and Puritan Aves., to M. R. Hanna Co., 2700 Six Mile Rd., $97,986; Goulburn Ave., to Cooke Asphalt Paving Co., 1260 Penobscot Bldg., $35,758; Vernor Highway, to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $68,081; St. Antonie St., to Dept. Pub. Wks., City Hall, $3,370. Grand total $457,460.

Michigan—State Hy. Div. office, Grand Rapids, grading and concrete paving 2.693 mi. T. L. 64-17, 20 ft., Newaygo Co., to L. I. Goldberg, Grand Rapids, $83,470. Noted July 29.

Michigan—State Hy. Dept., Lansing, will pave with concrete 13,625 sq.yd. F. A. 114, Sect. A, Lenawee Co., by day labor. C. H. Brown, Clinton, engr.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to J. W. Jones, Bentonville, concrete surfacing 0.08 mi. Route 1, Sect. 37-X, Johnson Co. $2,967, 3.41 mi. Route 1, Sect. 43-X, Saline Co. $61,608, 0.96 mi. Route 2, Sect. 17-X, Pulaski Co. $19,255, and 11.78 mi. Route 13, Sects. 15 and 16, Jackson and Perry counties $245,000, to Jaicks Bros., 107 North Clark St., Chicago, 0.77 mi. Maintenance, Sect. 55, Cook Co. $12,643, to J. W. Etchison Constr. Co., Casey, 8.98 mi. Route 24, Sect. 6, Sangamon Co. $151,619, to W. F. Sell, Pana, 0.17 mi. Route 24, Sect. 2-W-1, Christian Co., $3,357, to Hartmann-Clark Bros., Peoria, 2.55 mi. Route 4, Sects. 11 and 11-X, also four 60 ft. spans and one 30 ft. span concrete girder bridges on Route 4, Sects. 11-B and 11-B-X, all Livingston Co. $79,735, to W. C. Johnson, Belleville, concrete and gravel surfacing 0.32 mi. Route 3, Sect. 73-X, Randolph Co. $7,781, to W. O'Neil Sons Co., Fairbault, Minn., 6.3 mi. Route 8, Sect. 42, 4.25 mi. Route 8, Sect. 44 and 0.28 mi. Route 8, Sect. 45, all Knox Co. $197,000, to H. A. Carpenter, Brazil, Ind., 3.85 mi. Route 31, Sect. 15, Fulton and Schuyler Counties, $57,530, to W. L. Deniston, Morriston, grading 0.29 mi. Route 1, Sect. 38-V, Johnson Co. $18,988, to King & Shehan Dudley, 1.75 mi. Route 13, Sect. 15-A, Perry Co. $30,297, to J. J. McCaughey Co., 189 West Madison Ave., Chicago, $24,603. Grand total $912,282. Noted July 8.

Ill., Chicago—Cook Co. Highway Dept., concrete paving Cicero Ave. from 127th to 147th Sts., to Pierson Constr Co., Chicago Heights, $104,000. Noted June 24.

Ill., Galesburg—Grading, curbing, guttering and vertical fibre brick paving 3 blocks Willard St. and 3 blocks Beecher Ave., to H. H. Gunther, 600 East Main St., $14,814, and $16,689 respectively, 5 blocks Olive St., to Graham-King Constr. Co., 550 South Cedar St., $25,795. Grand total $57,298.

Ill., River Forest (mail Oak Park)—Grading, curbing, guttering and concrete paving 12,120 sq.yd. various streets, to Standard Paving Co., 1101 South Cicero Ave., Chicago, $62,077. Noted July 15.

Minn., Duluth—G. P. Phillips, city comr., concrete paving, etc., 8,820 sq.yd. 8th St., to Salo & Winnimaki, 1215 East 11th St. $46,667.

Kan., Independence—Montgomery Co. improving 3.643 mi. County Project 25, to L. A. Hudson, Coffeyville, $31,768.

Kan., Leavenworth — Leavenworth Co., grading, etc., 5.411 mi. Federal Aid Project 268-G, to Rise & Sherrer, Kansas City, $43,179.

Neb., Omaha—R. L. Cochran, state engr., Lincoln, rein.-con. paving, etc., 40,418 sq.yd. Federal Aid Project 187, Douglas Co., to National Constr. Co., 811 Federal Bldg., for State Hy. Comn., Lincoln, $96,343. Noted June 17.

N. D., Fargo—For 6 in. concrete paving, etc. 30,000 sq.yd. various streets, to S. Birch & Sons, Fargo, $56,440.

Mo., Kansas City—Park Bd., petroleum asphalt paving, etc., 57,000 sq.yd. Linwood Blvd., to Mussellman & Hall, 1018 Wyandotte St., at $1.79 per sq.yd.

Ark., Helena — Curbing, guttering and colrock on macadam paving 42,800 sq.yd. Paving Dist. 16, to Hogan Constr. Co., 1701 Exch. Bldg., Memphis, Tenn., $154,236. Noted Feb. 25.

Tex., Carthage—Panola Co., grading and bridging 4.105 mi. State Highway 43, Federal Aid Project 481-C, to Leath & Arnold, Henderson, $23,268. Engrs. est. $25,500. Noted Apr. 8.

Tex., Lubbock — H. Mosley, chn. State Hy. Comn., Austin, grading, bridging, etc., 14,953 mi. Highway 7, Federal Aid Project 502-A, to F. P. Holt, Barstow, $26,226. Engrs. est. $33,700. Noted June 17.

Okla., Oklahoma City — Curbing and sheet asphalt paving 2,776 sq.yd. North Robinson St., to Western Paving Co., Tradesmens Bldg., $31,132, engrs. est. $32,710 and grading, curbing and concrete paving 9,770 sq.yd. 27th, Florida and Indiana Sts., to M. A. Swatek, Security Bldg., $27,216, engrs. est. $28,764.

Nevada—State Hy. Comn., Carson City, constructing 8.33 mi. Hafed-Clark Rd., Federal Aid Project 98-A, Washoe Co., to A. Haidlen Co., Truckee, Calif., $76,455; and concrete girder bridge over Truckee River, on Federal Aid Project 84-B, Washoe Co., to F. Coolidge, Austin, $31,615. Noted July 1.

Arizona—W. C. Lefebre, engr., State Hy. Dept., Phoenix, grading, graveling, etc., 2,700 cu.yd. Federal Aid Project 64-B, to Skousen Bros., Mesa, $34,071; and constructing concrete structures on 2,900 cu.yd. Federal Aid Project 88-B, to Borderland Constr. Co., Tuscon, $73,919. Noted July 1.

Wash., Seattle—Bd. Pub. Wks., grading, etc., $175,000 cu.yd. Fauntleroy Ave., et al, to F. McLellan, Lyon Bldg., $155,943. Noted July 22.

California—State Hy. Comn., Sacramento, asphaltic concrete surfacing and concrete widening approximately 9 mi. road between Indio and 6 mi. south of Coachella, to Southwest Paving Co., Washington Bldg., Los Angeles, $183,117, engrs. est. $207,939; grading and bituminous macadam paving, etc., 1.3 mi. road near Yountville at Veterans Home, Napa Co., to C. W. Wood, Manteca, $11,872, engrs. est. $14,590. Noted July 15.

Calif., Livermore—City Trustees, grading and 6 in. concrete paving, etc., L St., to Heafey-Moore Co., 344 High St., Oakland, approximately $24,500. Noted July 1.

Calif., San Diego—Common Council improving C and 28th Sts., to Hazard Contg. Co., 2548 Kettner Blvd., $44,089, and G and 31st Sts., to O. Nelson, 1470 E St., $25,216. Noted May 27.

Ont., Toronto—York Twp. concrete curbing, guttering, asphalt and bitulithic on concrete paving Cherrywood and Nairn Aves., to Constr. & Paving Co., Confederation Life Bldg., $26,357; Durie St., Beresford and Jesmond Aves., to Warren Bituminous Paving Co. of Ontario, Ltd., 54 University Ave. $45,299; Amherst and Ashbury Aves., to Godson Contr. Co., 203 Richmond St. W. $16,246. Noted June 24.

Buildings—Commercial

Proposed Work

N. H., Nashua — OFFICE — Manchester Traction, Light & Power Co., Manchester, having plans prepared by C. R. Whitcher, 814 Elm St., Manchester, 3 story and basement, brick and steel, here. $150,000.

Mass., Lawrence — BANK — Merchants Trust Co., H. L. Sherman, pres., having sketches made by Codman & Despradelle, 27 Kilby St., Boston, 2 story and basement, brick, steel and rein.-con. bank. $150,000.

Mass., Lynn—STORE—L. K. Liggett Co., 50 Washington St., Boston, having sketches made, 6 story and basement, 60 x 100 ft., brick addition. $150,000. Private plans.

Mass., Revere (br. Boston)—HOTEL—Owner, c/o Chamber of Commerce of Revere, C. F. Chisholm, secy., plans hotel at Revere Beach. $450,000. Engineer and architect not selected.

Mass., Spencer—TOWN HALL—Town, Pub. Bldg. Dept., having plans prepared by G. C. Halcott, 490 Main St., Worcester, brick and steel town hall. $200,000.

Mass., Springfield — OFFICE — Young Realty Co., having plans prepared by W. E. Dibble, 21 Besse Pl., 6 story and basement, 83 x 150 ft., brick and steel, Dwight St. $450,000. Noted June 17.

Mass., Springfield—THEATRE, STORE and OFFICE—Goldstein Bros., c/o Blackhall, Clapp & Whittemore, archts., 31 West St., Boston, having sketches made, 2 story and basement, brick, steel and rein.-con., State St. $300,000. Noted May 20.

Mass., Waltham—STORE and OFFICE—C. J. O'Donnell, 375 Moody St., plans 2 or more story, brick store and office. $150,000 or more. Engineer and architect not selected.

R. I., East Greenwich — HOSPITAL — Crawford-Allen Memorial Hospital takes bids about Aug. 2, hospital addition. $250,000. York & Sawyer, 100 East 42nd St., New York, N. Y., archts. Noted June 10.

Conn., New Britain—APARTMENT—F. O. Rackliffe, 256 Park St., had plans prepared by F. C. Teich, 17 Frederick St., 3 story, brick and steel apartment, Glen St. $150,000.

Conn., New Haven—APARTMENT—L. Resnikoff, 112 Hurlburt St., having plans prepared by C. H. Abramowitz, 42 Church St., 6 story, brick and steel apartment, Dwight St. To exceed $150,000.

Conn., New Haven—BANK and OFFICE—Union and New Haven Trust, 57 Church St., having preliminary plans prepared by Cross & Cross, 581 5th Ave., New York, N. Y., 12 story, 115 x 135 ft., brick and steel, Church and Elm Sts. $2,000,000.

Conn., Stamford — THEATRE — A. W. Bell, 48 Bell St., plans theatre, Atlantic Ave. To exceed $150,000. Stumpf Stores, Inc., 28 West 44th St., New York, N. Y., lessee.

N. Y., Brooklyn—THEATRE, STORES and OFFICE—Famous Players Lasky Corp., 485 5th Ave., New York City, soon takes bids brick, steel and stone, plain foundation, Flatbush and DeKalb Aves., $5,000,000. Rapp & Rapp, 190 North State St., Chicago, Ill., engrs. and archts.

N. Y., Buffalo—APARTMENT and OFFICE — Switchmans Union of North America, 39 North St., having plans prepared by Bley & Lyman, 505 Delaware Ave., 5 story, 111 x 185 ft., rein.-con., brick and steel, North St. and Linwood Ave. $600,000.

N. Y., Buffalo—STORE and OFFICE—A. Victor & Co., Main and Mohawk Sts., having plans prepared by Hudson & Hudson, Dunn Bldg., 10 story, 122 x 219 ft., rein.-con., brick and terra cotta, Genesee and Pearl Sts. To exceed $700,000. Noted Jan. 21.

N. Y., New Rochelle—THEATRE and OFFICE—B. F. Keith Corp., Palace Theatre, Bway. and 47th Sts., New York City, having plans prepared by H. J. Krapp, engr. and archt., 1 West 47th St., New York City, brick, steel and stone, plain foundation, Main and Centre Sts. $1,000,000.

N. Y., New York — APARTMENT — L. Kea, c/o C. H. Clark, engr. and archt., 441 East Tremont Ave., having plans prepared 6 story, 50 x 100 ft., brick, steel and stone, plain foundation, Mott St. $300,000.

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Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—Fineberg & Aukowitz, c/o S. F. Oppenheim, engr. and archt., 156 East 42nd St., having plans prepared 6 story, brick, steel and stone, plain foundation, Garden St. $250,000.

N. Y., New York — APARTMENT — A. Mundchein, c/o Glick & Dumas, engrs. and archts., 375 East Fordham Rd., having plans prepared 6 story, brick, steel and stone, plain foundation, Boscobel Ave. $300,000.

N. Y., New York—APARTMENT—S. Meyer, 41 East 72nd St., having plans prepared by E. Levy, engr. and archt., 441 Lexington Ave., 15 story, brick, steel and stone, plain foundation, East 19th St. $700,000.

N. J., Camden—WAREHOUSE, STORE and APARTMENT — J. Rosenkrantz, 842 South 16th St., having preliminary plans prepared by E. Hall, 218 Weikel Ave., Merchantville, 2 story and basement, 18 x 100 ft. and 40 x 100 ft., rein.-con., brick, steel, slag and metal, plain foundation, Friends Ave. and Pennsylvania St., here.

N. J. Plainfield—FIRE HEADQUARTERS—City Council having plans prepared by G. E. Robinson, 80 Federal St., Boston, Mass., 2 story and basement fire headquarters, West 4th St. and Central Ave. $250,000.

Pa., Altoona—STORE—W. S. Aarons Furniture Store, 1428 11th Ave., plans 5 story and basement, 63 x 120 ft., rein.-con., brick and steel, 12th Ave. $175,000. Engineer and architect not selected.

Pa., Phila.—APARTMENT—Sears Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., purchased 3.5 acre site and plans 2 story and basement, 100,000 sq.ft. floor space, Market St. west of 63rd St., here.

Pa., Pittsburgh — GARAGE — Controller Allegheny Co. soon lets contract 1 and 2 story, 61 x 120 ft. and 83 x 89 ft., brick, concrete and steel, South McKean St. $150,000. S. Rouch, 519 Smithfield St., co. archt.

Pa., Pittsburgh—OFFICE and WAREHOUSE — July 28, by Suburban Electric Co., 5624 Penn Ave., and M. Nesdlinger, archt., Empire Bldg., brick and hollow tile, Penn Ave. $250,000.

Pa., Pittsburgh—STORE and OFFICE—Meyron & Hoene Estate, c/o E. G. Hartje, St. Nicholas Bldg., having plans prepared by Jensen & Cocken, Century Bldg., 5 story and basement, 30 x 241 ft., brick, terra cotta, steel and concrete, 5th Ave. $350,000. Noted May 13.

Pa., Quakertown—HOSPITAL—Quakertown Hospital Assn., M. Kittleman, pres., plans hospital, here. $250,000. C. F. Neergaard, 18 East 41st St., New York City, N. Y., engr.

Del., Wilmington — WAREHOUSE — B. Gundlock, archt., 110 East 42nd St., soon lets contract 3 story and basement, 70 x 96 ft., brick, rein.-con. and plain foundation, cold storage warehouse, for Dramen Ice & Coal Co.

Md., Baltimore—OFFICE and STORES—Medical Arts Building Corp., c/o M. E. Wright, archt., American National Bank Bldg., Richmond, Va., having plans prepared 8 story and basement, 52x173 ft., rein.-con., brick and terra cotta, plain foundation, Cathedral and Richmond Sts. $800,000.

Md., Hagerstown — HOTEL — Alexander Hotel Co., c/o C. N. and N. Friz, Lexington Bldg., having plans prepared, 10 story and basement, 50x150 ft., brick and steel, plain foundation, $500,000. H. F. Doeloman, 509 North Charles St., engr.

N. C., Asheville — CITY HALL and COURTHOUSE — City and Comrs. Buncombe Co., plan twin building. $1,500,000. Noted Jan. 21.

N. C., Greenboro—HOTEL — Sedgefield, Inc., soon lets contract 3 story hotel between Greensboro and High Point, $400,000. H. Barton, Greensboro, archt. Noted July 8.

N. C., Greensboro—MASONIC TEMPLE—Masonic Lodges having plans prepared by H. Barton, Greensboro, 4 story, masonic temple. $200,000. J. R. McClamroch, pres. Noted Jan. 7.

Fla., Tampa — THEATRE — Ybor City Theatre Co., S. H. Rogers, c/o Sempreviva & Rodgers, mgr., plans theatre, 7th St. and East Bway. $250,000. W. Mitchell, Tampa, archt.

Tenn., Chattanooga — HOSPITAL — City and Hamilton Co. plans election soon $250,000 bonds ($125,000 each) for children's hospital.

Tenn., Memphis—LABORATORY—W. A. Webster Laboratories, 224 East St., having plans prepared by E. L. Harrison, Union Pacific Bldg., 1 story and basement, addition, 224 East St. $150,000.

Tenn., Memphis—OFFICE—I. A. Baum, Columbia Tower Bldg., having tentative plans prepared 12 story, 37½ x 148½ ft., office building, North 2nd and North Court Sts. $800,000.

Ky., Louisville — MEMORIAL AUDITORIUM—Auditorium Memorial Comn., W. E. Morrow, secy., c/o Louisville Board of Trade, 3rd and Main Sts., purchased 200 x 235 ft. site and having plans prepared by E. T. Hutchins, 416 South 5th St., and Carrere & Hastings, 52 Vanderbilt Ave., New York City, memorial auditorium building, 4th Ave. and Kentucky St. $1,000,000.

O., Alliance—THEATRE and OFFICE—City plans 8 story and basement, theatre and office, Public Sq. on South Freedom St. $250,000.

O., Cleveland—HOTEL—A. Brudno, pres. Imperial Leaf Tobacco Co., 1281 West 9th St., plans 8 story and basement, 42 x 112 ft., brick, steel and concrete hotel, West 6th St. and Frankfort Ave. $300,000. Engineer and architect not selected.

O., Cleveland—STORE and APARTMENT—Stotter, DeGroot & Haber Co., R. Stotter, Leader Bldg., having plans prepared by Braverman & Havermalt, Ulmer Bldg., 3 story and basement, 70 x 120 ft., brick, Mayfield and Green Rds. $150,000.

O., Columbus — GARAGE, etc. — Rich-Front Investment Co., 10 East Tower St., S. A. Kinnear, pres., having plans prepared by G. Drach, 1701 Union Trust Bldg., Cincinnati, 6 story and basement, 93 x 187½ ft., concrete and steel garage and storage building, Front and Rice Sts. $500,000.

O., Columbus—OFFICE—Acme Development & Investment Co. having plans prepared by Snyder & Babbitt, 16 East Broad St., 8 story and basement, 71½x118½ ft., brick, steel and concrete office building, East State St. $485,000.

O., Salem—CITY HALL—City, plans erecting modern city hall on site of present city hall, Main St. $150,000.

O., Youngstown—HOSPITAL—Sisters of the Holy Humility of Mary, St. Elizabeth Hospital, plan constructing hospital units. $400,000.

Mich., Detroit—CLUB—Detroit Socialer Turnverein, c/o Mildner & Eisen, archts., 924 Hammond Bldg., having plans prepared 6 story and basement, 91x190 ft., rein.-con., brick and steel, club, incl. swimming pool, etc., plain foundation, Fisher and Crane Aves. $500,000.

Mich., Detroit—HOTEL—Fort Shelby Hotel Co., Lafayette and First St., having plans prepared by A. Kahn, 1000 Marquette Bldg., 21 story and basement, 68 x 130 ft., rein.-con., brick and steel, plain foundation, hotel addition, Lafayette Blvd. $2,000,000.

Mich., Detroit—MASONIC HOME—Michigan Masonic Home, J. E. Davison, chn. comm., Bay City, having plans prepared by G. W. Graves, 233 John R. St., 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, incl. administration building, hospital and infirmary, dormitories, power house, etc. $4,000,000.

Mich., Detroit—OFFICE—Eaton Estate, Eaton, 204 Woodward Ave., having plans prepared by L. Kamper, Kamper Bldg., Cass Ave., 34 story and basement, 64 x 100 ft., rein.-con., brick and steel, caisson foundation, Woodward Ave. $1,500,000.

Ill., Chicago — APARTMENT — P. F. Olson, archt., 720 Cass St., preparing plans 5 story and basement, 87 x 158 ft., rein.-con., brick and stone, Beacon and Leland Aves. Owner's name withheld.

Ill., Chicago—HOTEL—P. F. Olson, archt., 720 Cass St., soon takes bids 6 story and basement, 63½ x 150 ft., rein.-con., brick and terra cotta, 4031-4035 Kenmore Ave. $250,000. Owner's name withheld.

Ill., Chicago—HOSPITAL—A. Proskaner, archt., 159 North State St., soon takes bids, alterations and 6 story, 36 x 130 ft., rein.-con. and brick addition, Hoyne and West Monroe Sts. for West End Hospital, 35 South Hoyne St. $200,000.

Ill., Chicago—OFFICE and GARAGE—R. C. Weiblodt Co. (owners and contractor), 1534 West Van Buren St., purchased 75 x 131 ft. site, and plan 3 story office and garage, 1412-1418 Washington Blvd. Engineer and architect not selected. $300,000.

Ill., Waukegan—THEATRE, STORE and APARTMENT—E. P. Steinberg, archt., 360 North Michigan Ave., Chicago, takes bids about Aug. 1, 5 story, 131½ x 171½ ft., brick, steel and terra cotta, incl. refrigerating plant, Genesee and Clayton Aves., here, for Burnett, Webb & McDonald, Waukegan. $1,500,000. Noted Mar. 4.

Wis., Milwaukee — GARAGE — C. W. Valencourt, 1614 Fond du Lac Ave., plans 6 story and basement, 90 x 120 ft., brick and concrete, plain foundation, North Ave. $200,000. Engineer and architect not selected.

Wis., Miwaukee—HOTEL—Hotel Pfister, Wisconsin and Jefferson Sts., having plans prepared by H. J. Esser, 82 Wisconsin St., remodeling 5 story, brick and concrete hotel here. $200,000.

Ia., Burlington—HOSPITAL—Mercy Hospital having plans prepared by Lightner & Bros., 94 2nd Ave. W., Cedar Rapids, 3 story and basement, brick and stone, plain foundation. $300,000.

Ia., Davenport—BANK and OFFICE—American Commercial & Savings Bank, 210 Main St., having preliminary plans prepared concrete, brick and stone, 3rd and Main Sts. $1,000,000. Engineer and architect not selected.

Kan., Pittsburg—MAUSOLEUM—Mount Olive Cemetary Assn., having plans prepared by C. A. Smith, 800 Finance Bldg., Kansas City, Mo., 1 story, 150x170 ft., rein.-con. and stone mausoleum. $150,000.

Kan., Topeka—WAREHOUSE—W. A. L. Thompson Hardware Co., 511 Kansas St., having plans prepared by T. W. Williamson & Co., 312 Central Bank Bldg., and takes bids about Aug. 2, 3 story and basement, 100x150 ft., rein.-con., brick and stone warehouse. $150,000.

N. D., Lakota—COURT HOUSE—Nelson Co. defeated $150,000 bonds for court house, here. P. Jorgensen, aud. Noted May 20.

Mo., Kansas City — OFFICE — D. A. Schutte Cigar Corp., having plans prepared by F. E. McIlvain, 1001 Orea-Leslie Bldg., 16 story and basement, 56 x 115 ft., rein.-con., brick, steel, terra cotta and granite, 10th and Main Sts. $1,100,000.,

Mo., Kansas City—STORE and OFFICE—Hoffman Investment Co., 524 Ridge Bldg., having plans prepared by H. von Unwerth, Finance Bldg., 6 story, basement and subbasement, 30 x 80 ft., rein.-con. and terra cotta, here. $200,000.

Mo., St. Joseph — THEATRE — J. H. Cooper, 390 Riverside Dr., New York City, N. Y., and Boller Bros., archts., 110 West 10th St., Kansas City, soon lets contract 2 story and basement, 75 x 140 ft., rein.-con., brick, steel and terra cotta, here. $250,000. Noted July 1.

Mo., St. Louis—APARTMENT—Bell Investment Co., c/o Hoener, Baum & Froess, archts., 3605 Laclede Ave., plans 2 story and basement, rein.-con., brick and stone, South Kingshighway Ave. $150,000.

Mo., St. Louis—CIVIL COURT—City, c/o Bd. Pub. Serv., 208 City Hall, soon takes bids steel work and foundation for new civil courts building, here, incl. 500 tons steel. $1,000,000. Total $4,000,000. Noted Oct. 8.

Mo., St. Louis—OFFICE—Local Syndicate c/o H. R. Weisels, 730 Chestnut St., soon takes bids 18 story and basement, 100 x 193 ft., rein.-con., brick, steel and terra cotta, Olive and 13th Sts. $1,000,000. P. J. Bradshaw, International Life Bldg., archt.

Mo., St. Louis—THEATRE, OFFICE and HOTEL—W. Fox Film Co., 55th St. and 10th Ave., New York City, N. Y., soon takes bids approximately 14 story, 240 x 360 ft., rein.-con., brick, steel, stone and terra cotta, Grand and Washington Blvds. $5,000,000. C. H. Crane, E. G. Kiehler and B. A. Dore, 400 Huron Bldg., Detroit, Mich., archts. Noted Jan. 7..

Mo., Springfield—HOSPITAL—Employees Hospital Assn., St. Louis & San Francisco R.R., St. Louis, having plans prepared by R. C. Stephens, St. Louis & San Francisco R.R., St. Louis, hospital, here. $600,000.

Texas — MAIL ORDER — Montgomery, Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., making preliminary plans mail order house, somewhere in Texas. $500,000. Private plans.

Tex., Amarillo—MEDICAL ARTS—C. A. Fisk and G. S. Calander, archt., 15 Massie Bldg., prepared plans 10 story and basement, 60 x 140 ft., rein.-con., brick and stone, 8th and Polk Sts. $1,000,000.

Tex., Dallas — ADMINISTRATION — Southwestern Bell Telephone Co., Boatmens Bank Bldg., St. Louis, Mo., takes bids in December, 15 story and basement, 130 x 206 ft. rein.-con., brick, steel and stone, here. $3,000,000. I. R. Timlin, c/o owner, archt.

Tex., Houston — EXCHANGE — Southwestern Bell Telephone Co., Boatmans Bank Bldg., St. Louis, Mo., takes bids about Aug. 12, 2 story and basement, 120 x 140 ft., rein.-con., brick and stone, here. $200,000. I. R. Timlin, c/o owner, archt.

Tex., Sherman — HOTEL — J. Tullock, archt., soon takes bids 4 story (ultimately 8 story) and basement, rein.-con., brick and stone hotel, here, for J. Keiffer, c/o Binkley Hotel. $250,000.

Okla., Oklahoma City — ADMINISTRATION—Southwestern Bell Telephone Co.,

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Buildings—Commercial (Continued)

Boatmans Bank Bldg., St. Louis, Mo., takes bids in December, 7 story and basement, (ultimately additional stories), 150 x 150 ft., rein.-con., brick, stone and steel. $600,000. I. R. Timlin, c/o owner, archt. Noted Nov. 19.

Ore., Portland—THEATRE and OFFICE—J. A. Charlesworth, 5th and Salmon Sts., having plans prepared by Rapp & Rapp, 1749 Howard St., Chicago, Ill., 6 story, 200 x 200 ft., rein.-con., stucco and marble, Bway., Salmon, Park and Main Sts. $2,000,000.

Calif., Aptos—CLUB, etc.—Club Rio del Mar, 65 Sutter St., San Francisco, having plans prepared by Quandt & Bros., Humboldt Bank Bldg., San Francisco, club building, golf course, etc. To exceed $250,000.

Calif., Bakersfield—EXPOSITION—Kern Co. plans exposition buildings at County Fair grounds. $150,000.

Calif., El Granada—CLUB, etc.—El Granada Country Club, Inc., (L. W. Martin, et al., De Young Bldg., San Francisco, interested) having preliminary plans prepared by C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco, club house, swimming pool, etc., near Half Moon Bay.

Calif., Murphys — HOSPITAL — Supervs. San Joaquin Co., Stockton take bids about Aug. 2, tubercular hospital, incl. eight or nine 1-story buildings. $150,000. R. P. Morrell, Union Bldg., Stockton, archt. Noted Jan. 14.

Calif., Oakland—APARTMENT—Schiffmer-Bugbee Co., archts., Thayer Bldg., making plans, 6 story and basement, steel and concrete apartment. $150,000. Owners name withheld.

Calif., Oakland—APARTMENT—B. Bercovich, c/o H. C. Baumann, archt., 251 Kearny St., San Francisco, having plans prepared 16 story and basement, steel and rein.-con. apartment, Grand Ave. $1,500,000.

Calif., Oakland — TEMPLE — Oakland Labor Temple Assn. indefinitely postponed construction 4 story and basement, 100 x 137½ ft. with 50 x 60 ft. wing, rein.-con. lodge building, etc. $400,000. Noted June 17.

Calif., Pasadena—OFFICE and BANK—Pacific Southwest Trust and Savings Bank, Pacific Southwest Bldg., Los Angeles, having plans prepared by Marston, Van Pelt & Maybury, Union Oil Bldg., Los Angeles, 6 story and basement, rein.-con., Lake and Colorado Sts. To exceed $150,000.

Calif., Riverside — MEMORIAL — City, having plans prepared by A. B. Benton, 803 Kensington Rd. and G. S. Wilson, assoc., rein.-con. municipal memorial building. $160,000.

Calif., San Jose—BANK and OFFICE—First Natl. Bank plans from 3 to 6 story bank and office, West Santa Clara St. $250,000 or more. Engineer and architect not selected.

Calif., Santa Monica—CLUBHOUSE and HOTEL—Deauville Beach Club, c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., Los Angeles, having preliminary plans prepared, approximately 130 x 250 ft. clubhouse, with swimming pool, etc., to exceed $50,000.

Calif., Westwood—CLUB, etc.—Fox Hills Country Club, c/o Hunt & Burns, archts., Laughlin Bldg., Los Angeles, plans club house and golf courses. $150,000 or more.

Ont., Hamilton — OFFICES — Browning, Harris & Denman, Bank of Hamilton Bldg., having plans prepared by Hutton & Souter, Bank of Hamilton Bldg., brick and stone offices, $1,000,000.

Ont., Toronto — APARTMENTS — Four Hundred Avenue Rd. Apartments, c/o Craig & Modile, archts., 96 Bloor St. W., had plans prepared 4 story and basement, rein.-con., brick and steel, plain foundation, incl. refrigeration and elevators, Avenue Rd. $500,000.

Ont., Toronto — HOSPITAL — Toronto General Hospital, College St., plans 3 to 5 story and basement, rein.-con., brick, steel and stone, new private patients' building, new X-Ray and pathological building, and enlarging present main building, incl. refrigeration, elevators and ventilating system, Elizabeth St. $1,000,000. Engineer and architect not selected.

Ont., Toronto — HOSPITAL — Women's College Hospital, 125 Rusholme Road, having plans prepared by Stevens & Lee, 62 Charles St. rein.-con., brick and steel, plain foundation, Rusholme Road, $500,000.

Ont., Toronto—STORE and OFFICE—Central Sites Development Co., c/o N. A. Armstrong Co., Ltd., archts., 7 King St. E., had plans prepared 5 story and basement, 134 x 149 ft., rein.-con., brick, steel and stone, plain foundation, Bloor and Bay sts. $1,250,000.

Bids Desired

Mass., Amesbury—HOSPITAL—Aug. 2, by Kendall Taylor & Co., archts., 142 Berkeley St., Boston, brick and steel hospital and nurses home, Main St., for Amesbury Hospital, $175,000.

Mass., Arlington (br. Boston)—APARTMENT—Lockeland Apartment Trust, 55 Kilby St., Boston, taking bids, 3 story and basement, 114 x 118 ft., brick, stone and plain foundation, Massachusetts Ave. $250,000. Gay & Proctor, 240 Boylston St., Boston, archt.

Mass., Boston—MARKET—Uphams Corner Market, 600 Columbia Rd., taking bids, 3 story and basement, 85 x 135 ft. brick, stone and plain foundation, Columbia Rd. To exceed $150,000. W. M. Bacon, 27 Kilby St., archt.

Mass., Cambridge (Boston P. O.)—BANK and STORE—North Cambridge Corp. Bank, 2360 Massachusetts Ave., taking bids, 2 story and basement, Massachusetts Ave. $150,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted July 1.

Mass., Gardner—HOSPITAL—Aug. 3, by Dept. Mental Diseases, 2 story and basement, brick and stone hospital, for Commonwealth of Massachusetts, Dept. Mental Diseases, State House, G. M. Kline, comr., $150,000. C. P. Hoyt, 6 Beacon St., Boston, archt. Noted June 24.

Mass., Roxbury (Boston P. O.) — THEATRE and STORE—See "Contracts Awarded."

Pa., Phila. — ADMINISTRATION—Aug. 9, by M. Krusen, dir. Dept. Pub. Health, City Hall, 3 story and basement, 126 x 172 ft., rein.-con., brick, steel, granite and limestone, administration building and ornamental, reinforced gateways, etc. 34th and Pine Sts. P. H. Johnson, Weidner Bldg., archt.

Pa., Phila.—APARTMENT—L. Lande, 601 East Girard Ave., taking bids 12 story and basement, 40 x 120 ft., rein.-con., brick and steel, plain foundation, 10th and Clinton Sts. $350,000. S. Kaplan, 10 South 18th St., archt. Noted June 24.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila.—STORE—Aug. 2, by H. Holmes, archt., 1630 Penobscot Bldg., Detroit, Mich., 2 story and basement, 50 x 101 ft., rein.-con., brick, steel and marble, plain foundation, 1428-32 Point Breeze Ave., here, for S. S. Kresge Co., Kresge Bldg., Detroit, Mich.

Miss., Tupelo—HOTEL—Aug. 4, by T. P. Florida Hotel Co., c/o T. P. Florida, Gilmer Hotel, Columbus, 5 story, 88 room, brick and terra cotta hotel, incl. banquet hall, coffee shop, etc., South Spring St., here. $200,000. P. J. Krouse, Miazza Woods Bldg., Meridian, archt.

La., Shreveport—COURTHOUSE—Aug. 19, by E. F. Neild, archt., 1206 City Natl. Bldg., 8 story, 120 x 220 ft., steel and stone, McNeill, Marshall, Milam and Texas Sts., for Caddo Parish, c/o J. M. Sentel, pres. Police Jury. $1,000,000. Noted June 24.

Ind., Anderson—APARTMENT—Aug. 15, by Georgian Realty Co., 10th and Meridian Sts., 3 story, 72 x 200 ft., brick and rein.-con., plain foundation, incl. electrical refrigeration, West 10th St. $300,000. E. F. Miller, Anderson, archt. Noted July 1.

Ill., Elgin — OFFICE — Wolf, Sexton, Harper & Trueax, archts., 431 North Michigan Ave., Chicago, taking bids 10 story and basement, 62 x 125 ft. concrete, brick, steel and terra cotta, Division St., for Professional Building Corp., c/o E. L. Longhorst, Sherwin Bldg. $200,000. Noted May 27.

Wis., Milwaukee—BUSINESS—Magnetic Realty Co., 185 Mason St., taking bids 2 story, 122 x 180 ft., brick, tile and concrete top, addition, Jefferson and Biddle Sts. $150,000. Private plans.

Ia., Cedar Rapids—HOTEL—Aug. 10, by H. B. Beidler, archt., 936 North Michigan Blvd., Chicago, Ill.; 12 story and basement, 140 x 140 ft., rein.-con., brick and stone, plain foundation, here, for First Avenue Realty Co., Cedar Rapids, $1,500,000. E. D. Krenn, 936 North Michigan Ave., Chicago, Ill., engr. Noted Apr. 22.

Ia., Cedar Rapids—SHRINE TEMPLE—Aug. 10, by R. F. Moore, archt., Granby Bldg., 4 story and basement, 140 x 166 ft., rein.-con. and steel, plain foundation, for Shrine Temple. $325,000. Noted July 1.

Kan., Kansas City—Aug. 3, by D. B. Peterson, archt., 818 Minnesota Ave., 3 story and basement, 120 x 128 ft., rein.-con., brick, stone and terra cotta, for Y.M.C.A., 431 North 15th St. $200,000. Noted May 27.

Mo., St. Louis—SALE and SERVICE—See "Contracts Awarded."

Mo., St. Louis—THEATRE—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids 2 story and basement, 147 x 200 ft., rein.-con. and steel, Easton St. at Hamilton St., for Central Properties Corp., 706 North Grand Blvd. $300,000.

Okla., McAlester—COURT HOUSE—Aug. 10, by Clerk Pittsburg Co., 3 story and basement, 140 x 149 ft., rein.-con., brick and stone, $200,000. Layton, Hicks & Forsythe, 906 Baniff Bldg., Oklahoma City, archts. Noted June 17.

Okla., Muskogee—HOSPITAL—Aug. 17, by State Bd. Affairs, Capitol Bldg., Oklahoma City, 3 story and basement, 78 x 136 ft., rein.-con. and brick, plain foundation, here, for State School for Blind. $150,000. J. Hicks, Braniff Bldg., Oklahoma City, archt.

Colo., Denver—THEATRE—Aug. 2, by W. N. Bowman, archt., Insurance Bldg., 6 story, 2,500 seating capacity, brick and steel, 16th and Glenarm Sts., for Sixteenth St. Investment Co., c/o architect. $600,000.

Calif., Long Beach—LODGE—Wright & Gentry, archts. and engrs., Marine Bank Bldg., taking bids 125 x 150 ft. lodge, Locust Ave., for York Rite Masonic Building Assn., c/o architects. To exceed $500,000.

Calif., Murphy—HOSPITAL—Aug. 9, by E. D. Graham, clk. San Joaquin Co., Stockton, group rein.-con. and timber buildings for tubercular hospital, here, for Calaveras Co. (San Andreas) and San Joaquin Co. (Stockton). To exceed $150,000. R. B. Morrell, Union Bldg., Stockton, archt. Noted July 22.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Bids Received

Pa., Paoli—SCHOOL—School Bd., c/o Ritter & Shay, archts., Packard Bldg., Phila., July 14, general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, plain foundation, here, from F. W. Worley Constr. Co., Wesley Bldg., Phila. $138,435. Noted July 8.

Pa., Strafford—SCHOOL—School Bd., c/o Ritter & Shay, archt., Packard Bldg., Phila., July 14, general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, plain foundation, here, from F. W. Worley Constr. Co., Wesley Bldg., Phila., $138,435. Noted July 8.

Tex., San Antonio—HOTEL—Baker Hotel Co., c/o T. B. Baker, Gunter Hotel, 3 story, 140 x 170 ft., rein.-con., brick and hollow tile addition, Houston and St. Mary Sts., from McKenzie Constr. Co., Travis Bldg. $604,290. Noted July 8.

Contracts Awarded

Vt., Burlington—CITY HALL—City, 3 story and basement, 67 x 125 ft., brick and granite, Main and Church Sts., to J. E. Cashman, Burlington. Archts. est. to exceed $150,000. Noted July 1.

Mass., Belchertown — DORMITORY — Dept. Mental Diseases, 2 story and basement, brick and plain foundation, to J. G. Roy & Son, 21 Silver St., Springfield, for Commonwealth of Massachusetts. Archts. est. $150,000. Noted July 1.

Mass., Brookline (br. Boston)—GARAGE—Henderson & Ross, 209 Washington St., Boston, 3 story and basement, rein.-con. and plain foundation, John, Pleasant and Waldo Sts., to Aberthaw Co., 80 Federal St., Boston. Archts. est. $500,000. Noted June 10.

Mass., Roxbury (Boston P. O.) — THEATRE and STORE—S. Rudnick, 333 Washington St., will build 1 and 2 story and basement, brick, steel and rein.-con. and plain foundation theatre and store, by separate contracts. $250,000. Blackall, Calpp & Whittemore, 31 West St., Boston, archts. Noted June 17.

Conn., Hartford — THEATRE—Colonial Theatre, A. M. Schuman, 909 Albany Ave., brick, steel, marble and tile theatre, Farmington Ave., to Wise & Upson, 7 Forest St. Archts. est. $350,000. Noted June 10.

N. J., Asbury Park—OFFICE—Eastern New Jersey Power & Light Co., Hightstown, 11 story, brick and steel, here, to Dwight P. Robinson & Co., 61 Bway., New York City, $750,000.

Pa., Allentown—HOSPITAL—Allentown Hospital Assn., 3 and 4 story and basement, 50 x 83 ft., rein.-con., brick and steel addition, plain foundation, 17th and Chew Sts., to Ochs Constr. Co., 440 Wire St.

Pa., Monessen—MUNICIPAL—J. C. Lermann, city clk. 3 story and basement, 50 x 100 ft., stone, brick and hollow tile, here, to Motz Lumber Co., Monessen. Archts. est. $150,000. Note July 8.

Pa., Phila.—APARTMENT—J. P. Eckert, Commercial Bldg., will build 3 story and basement, 84 x 272 ft., rein.-con., brick and steel, plain foundation, 5427 Wayne Ave.

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Buildings—Commercial (Continued)

$500,000. Work will be done by separate contracts. W. T. B. Koelle, Ohio Bldg., archt. Noted June 24.

Pa., Phila. — OFFICE — United Gas Impvt. Co., Broad and Arch Sts., general contract 14 story and basement, brick, granite and steel, to Murphy & Quigley, Broad and Arch Sts.; and steel, to McClintic-Marshall Co., 50 Church St., New York City, N. Y. Archts. est. to exceed $150,000.

Pa., Phila.—OFFICE—R. B. Bencker, archt., 13th and Chestnut Sts., 15 story and basement, 50 x 186 ft., rein.-con., brick and steel, plain foundation, 1420-22 Walnut St., to Ketchem & MacQuade, 1029 Brown St., for Chancellor Realty Co., c/o architect. $1,000,000. Archts. est. $1,200,000. Noted July 15.

Pa., Pittsburgh — APARTMENT—Center Court Apartment Co., c/o D. A. Crone, archt., Oliver Ave., general contract, 3 story and basement, irregular shaped, brick, hollow tile and steel, Center Ave., to Toupet Building Co., Ellsworth Ave. Archts. est. $266,000.

Pa., Waynesburg—HOTEL—Fort Jackson Hotel Co., 6 story and basement, approximately 100 x 100 ft., brick, stone, steel and concrete, here, to Baker & Coombs, Morganfown, W. Va. Archts. est. $250,000. Noted July 15.

O., Cleveland—SALES and SERVICE—Motors Realty Co., c/o G. G. G. Peckham, pres., c/o Ohio Buick Co., 1903 East 19th St., 3 story and basement, 135 x 318 ft., brick and rein.-con., Euclid Ave. near East 24th St., to S. W. Emerson Co., Union Bldg. Archts. est. $800,000. Noted June 10.

O., Massillon—THEATRE and HOTEL—Agathon Hotel Co., 10 story and basement, 100 x 122 ft., theatre and hotel. Mill and Plum Sts., to Wendling Constr. Co., $1,000,000.

Ind., Evansville—WAREHOUSE—Standard Oil Co., general contract, brick and rein.-con. warehouse and garage, to Anderson & Veatch, 521 West 8th St. Archts. est. $200,000. Noted Apr. 1.

Ind., Hammond—HOTEL—P. Schneider, 1654 Clifton Park, Chicago, Ill., "Hotel Savoy," brick, steel and rein.-con., contract for concrete work to Beckman Constr. Co., Hammond, iron and steel, to New City Iron Wks., 4857 South Racine, Chicago, Ill., brick work, to C. B. Smith, and heating, to Hilbricht & Connor Heating Co. Archts. est. $150,000. Noted July 15.

Ill., Chicago—ANIMAL HOUSE—Lincoln Park Comrs., Clark and Center Sts., general contract 1 story, (with inside and outside caves) 91 x 230 ft., brick and tile, Lincoln Park, to W. E. O'Neil Constr. Co., 19 South La Salle St., cage work, to Ornamental Wire & Iron Co., Elliott and University Sts., St. Louis, Mo., heating, plumbing & ventilating, to J. Stein, 156 East Grand Ave., wiring, to Freeman Sweet Co., 9 West Illinois St. Archts. est. $250,000.

Ill., Chicago — APARTMENT — E. M. Levin, 134 North La Salle St., architectural and engineering contract 8 story, terra cotta apartment building on 100 x 166 ft. site, Roscoe St. near Sheridan Rd., to Callner Constr. Co., 134 North La Salle St. Archts. est. $1,200,000.

Ill., Chicago—APARTMENT—Childs & Smith, archts., 720 North Michigan Ave., masonry, carpentry, steel, lathing, etc., contract 19 story and basement, 72 x 164 ft., rein.-con., brick, steel and terra cotta, 1448 Lake Shore Dr., to A. Brundage Co., 110 South Dearborn St., for Baird & Warner, 134 South La Salle St. Noted June 10.

Ill., Chicago—APARTMENT—Syndicate, c/o R. De Goyler & Co., archts., general contract 17 story, 108 x 150 ft., State and Goethe Sts., to B-W Constr. Co., 720 Cass St. Archts. est. $2,500,000. Noted June 24.

Ill., Chicago—OFFICE—A. C. Mather, 324 North Michigan Ave., general contract, 25 story, basement and tower, 65 x 100 ft., brick, steel and terra cotta, 345-51 Wacker Dr., to W. A. Illsley, 53 West Jackson Blvd. Archts. est. $3,000,000.

Ill., Evanston—GARAGE—V. C. Carlson, 636 Church St., general contract 2 story and basement, 110 x 150 ft., rein.-con. and brick, Orrington Ave., to V. C. C. Constr. Co., 636 Church St. Archts. est. $150,000.

Wis., La Crosse—DEPOT and OFFICE—Chicago, Milwaukee & St. Paul R.R. Co., C. F. Lowther, ch. engr., Union Sta., Chicago, Ill., 2 story and basement, 38 x 104 ft. and 40 x 140 ft., brick and concrete, plain foundation, here, to Bentley Bros., 808 South Pierce St., Milwaukee. Archts. est. $150,000. Noted July 8.

Neb., Omaha — THEATRE — Orpheum Circuit, c/o M. Heiman, pres., 190 North State St., Chicago, Ill., approximately 1,050 tons steel, for 6 story and basement, 132 x 165 ft., brick, concrete and steel, 15th and Harney Sts., to Omaha Steel Wks., 4802 Leavenworth St. at $111.40 per ton erected. Total $1,000,000. Noted May 20.

Mo., St. Louis—MAUSOLEUM—Stanza & Co., Inc., Syndicate Bldg., rein.-con. and granite mausoleum, Oak Grove Cemetery, St. Charles and Carson Rd., St. Louis Co., to John Hill Constr. Co., Syndicate Trust Bldg. Archts. est. $1,000,000. Noted Apr. 15.

Mo., St. Louis—SALE and SERVICE—G. T. Burdeau Realty Co., 801 Chestnut St., will build 1 story and basement, 140 x 200 ft., rein.-con., brick and terra cotta, West Pine St., by day labor. $150,000. Federal Motor Truck Co., 1800 Park Ave., lessee.

Tex., Amarillo — APARTMENT — B. Fisher & Sons, c/o Palo Duro Hotel, 4 story, 75 x 140 ft., rein.-con., brick, tile and stone, 16th and Jackson Sts., to G. Parr, 204 East 4th St. $150,000. Noted June 10.

Tex., Amarillo—HOTEL—E. R. Mayer, 1601 Madison St., 6 story and basement, 90 x 110 ft., rein.-con., brick, stone and terra cotta hotel, here, to Brennan Co., 1805 North Market St., Dallas. Archts. est. $375,000. Noted May 6.

Calif., San Francisco—APARTMENT—A. Johnson, 632 Belvedere St., will build three 3 story apartments in the vicinity of Webster and Chestnuts Sts., by day labor. $50,000 each.

Ont., Toronto—CLUB—Granite Club, 519 Church St., general contract 3 story and basement, rein.-con., brick and steel, plain foundation, St. Clair Ave. W., to Witchell & Son, 156 St. Helens Ave. Archt. est. $500,000. Noted Nov. 12.

Buildings—Industrial

Proposed Work

Vt., Groton—MANUFACTURING— Groton Mfg. Co., plans rebuilding plant recently destroyed by fire. $40,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.) — PLANT—J. W. Greer Co., 119 Windsor St., plans 2 story and basement, 65 x 80 ft., brick addition. $40,000 or more. Engineer and architect not selected.

Conn., New London—GARAGE—Broad Street Auto Co., having preliminary plans prepared by F. DeGange, 60 Ocean Ave., 1 story, 120 x 175 ft., brick, Broad St. $100,000.

N. Y., Brooklyn—POWER PLANT—New York Quinine & Chemical Corp., 101 North 11th St., engaged Thomas E. Murray, Inc., 55 Duane St., New York City, to draw plans and specifications for 1 story addition, incl. two 500 hp. boilers.

N. Y., New York—GARAGE and FACTORY—Thur Realty Co., H. Spring, pres., having plans prepared by J. M. Felson, engr. and archt., 250 West 57th St., rein.-con., brick and steel, plain foundation, 257 West 64th St. $250,000.

Pa., Spring Mills — CLAY WORKS — Walker Bros. having plans prepared by Ballinger Co., 12th and Chestnut Sts., Phila., 1 and 2 story, 69 x 115 ft. rein.-con., brick, steel and terra cotta addition, to Moorehead Clay Works, plain foundation.

Ten., Summitville — PLANT — Tennessee Lime & Cement Co., Tullahoma, having surveys made cement plant, here. To exceed $40,000.

O., Akron—LAUNDRY—Davis Laundry & Cleaning Co., W. J. Barnes, mgr., 87 West Market St., having plans prepared by Austin Co., engrs. and archts., 16112 Euclid Ave., Cleveland, 2 story and basement, brick addition, 87 West Market St. $60,000.

O., Alliance—FACTORY—Alliance Tank Co. plans 1 story, 80 x 100 ft., steel factory, along New York Central tracks, near Webb Ave. $40,000 to $50,000.

O., Leetonia—FACTORY—Standard Porcelain Co., East Liverpool, soon takes bids 1 story factory, $40,000.

O., Norwood—AUTO BODY PLANT—Chevrolet Motor Co., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 2 story, 125x425 ft. brick and rein.-con. auto body plant addition.

Ind., Indianapolis—SHOPS—Indiana Refinery, takes bids about Aug. 19, 1 story and basement, 50 x 500 ft., brick, steel and rein-con. repair shops. $150,000. Private plans.

Mich., Detroit—POWER HOUSE—See "Buildings Commercial."

Ill., Chicago — GLUE COOK HOUSE — Armour & Co., U. S. Yards, having plans prepared by R. C. Clark, c/o owner, rebuilding 5 story, 115 x 120 ft., brick, 3200 Benson St., recently destroyed by fire. $151,000.

Ill., Chicago—SERVICE—Sanitary District of Chicago, 910 South Michigan Ave., had plans prepared by E. J. Kelley, 910 South Michigan Ave., and takes bids in August or September, 100 x 150 ft. service building, incl. heating plant, garages, repair shops, water tower, etc. $750,000.

Ill., Highland — BOTTLING PLANT — Highland Dairy Co., 4331 Choteau Ave., St. Louis, Mo., having preliminary plans prepared by N. C. Davis, 4908 Delmar Blvd., 2 story and basement 80 x 80 ft., rein.-con. and brick plant, here, $50,000.

Wis., Appleton—GARAGE and REPAIR SHOP—City, c/o E. L. Williams, clk., having plans prepared by E. A. Wetengel, 116 South Pierce Ave., 1 story and basement, 120 x 130 ft., brick and concrete, plain foundation, West Washington St. To exceed $40,000.

Wis., Lily—FACTORY—Lily Dairy Co., H. Schuette, treas., plans 1 story, 50 x 90 ft., rein.-con. and brick, plain foundation, here. $40,000. Engineer and architect not selected.

Wis., Milwaukee — FACTORY—Badger Meter Mfg. Co., 841 30th St., rejected bids and having revised plans prepared by M. Tullgren & Sons Co., 9 Waverly Pl., 2 story and basement, 60 x 120 ft., brick and concrete addition, plain foundation, 30th St. Noted July 15.

Wis., Racine—FACTORY—Wright Rubber Products Co., Layard St. and railroad tracks, having plans prepared by F. J. Hoffman, Janes Block, 2 story, 60 x 62 ft., brick and timber addition, plain foundation.

Minn., St. Paul—ASSEMBLING PLANT and OFFICE — Mack International Motor Truck Corp., T. F. Egan, mgr., 2231 University Ave., soon takes bids 1 story and part basement, 200 x 300 ft., rein.-con. brick and stone assembling plant and office building; excavation contract to Connolly Contg. Co., 427 Rice St., approximately $20,000. Total $300,000. Private plans. Noted Dec. 3.

Kan., Emporia—BAKERY—Hurt Baking Co. had plans prepared by C. W. Squires, 613 Exchange St., 2 story and basement, 75x100 ft., bakery. $40,000.

Que., Montreal—WAREHOUSE and COLD STORAGE PLANT—Montreal Rail & Harbor Terminals, Ltd. (Subsidiary of Canadian Pacific R.R.) takes bids 10 story, rein.-con., terminal warehouse and cold storage plant, Craig St., $5,000,000.

Ont., Fort William—MILL—Fort William Paper Co., plans concrete, steel and wood addition to news print mill, approximately $10,000,000.

Ont., Toronto—CLOTHING FACTORY—Fashion Cloak Co., Ltd., 93 Spadina Ave., had plans prepared by Kaplan & Sprachman, 298 Dundas St. W., 8 story and basement, rein.-con., brick, tile, plain foundation, Camden St. $300,000.

Bids Desired

Mass., Boston—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Boston—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Melrose (ind. br. Boston)—REPAIR SHOP, etc.—City, Pub. Bldgs. Dept., taking bids, 1 story, rein.-con. stable, garage and repair shop. $40,000. C. R. Greco, 11 Beacon St., Boston, archt.

N. J., Totowa (mail Paterson)—LAUNDRY, etc.—Aug. 3, by Bd. Institutions & Agencies, State Office Bldg., Trenton, 1 story, brick, steel and stone laundry, power house, sewage disposal plant, etc., at New Jersey Training School for Feeble Minded Females, here. $406,000. C. Leathem, Jr., Trenton, acting state archt.

Pa., Johnstown—GRANITE WORKS—Johnstown Granite & Marble Works, 307 Bedford St., C. Schenkemeyer, pres., taking bids 3 story and part basement, 57 x 120 ft., brick, steel, granite and limestone, Bedford Ave. $150,000.

Pa., Phila. — MANUFACTURING — See "Contracts Awarded."

Pa., Pittsburgh — SUB-STATION — Duquesne Light Co., 431 6th Ave., soon lets contract 2 story, 27 x 46 ft. brick, concrete and steel, 2nd Ave. and Hazelwood St. $40,000. M. R. Scharff, c/o owners, engr.

La., Bastrop—PULP and PAPER MILL—See "Contracts Awarded."

O., Canton — FACTORY — Aug. 1, by Officials Timken Roller Bearing Co., Harrison Ave. S. W., 1 story, 100 x 500 ft., steel, Garfield Ave. S. W. $250,000. Noted June 3.

Ind., Indianapolis—PLANT—July 30, by State Bd., constructing power plant, laundry and concrete tunnels at new site of Indiana

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Buildings—Industrial (Continued)

School for Blind, 75th and College Aves. $100,000. Harrison & Turnock, 500 Bd. Trade Bldg., engrs.

Wis., Edgerton—SHOP—See "Contracts Awarded."

Bids Received

Mich., Lansing—POWER PLANT—City, addition to Moores Park power plant, from Davis & McGonigle, 1210 Buhl Bldg., Detroit, $214,500.

Contracts Awarded

Mass., Boston—FACTORY—Buff & Buff Mfg. Co., 98 Green St., Jamaica Plain, 1 story, brick addition, to C. C. Temple Co., 99 Chauncey St. Archts. est., $40,000.

Mass., Boston—REPAIR and SERVICE GARAGE—H. Frank, 333 Washington St., will build 2 story, 95 x 150 ft., brick, rein.-con., and plain foundation, by separate contracts. $85,000. S. E. Moffie, 51 Cornhill, archt.

Mass., Cambridge (Boston P. O.) — PLANT—Lever Bros. Co., Bway 2 story, 45 x 80 ft., brick, steel and rein.-con., Kettle Bldg. extension of plant, to C. H. Cunningham & Sons Co., 25 Central Ave., Lynn. Archts. est. $50,000. Noted June 3.

Mass., Boston—MANUFACTURING—W. H. Ballard & Co., 45 Bromfield St., 4 story, 40 x 70 and 60 x 80 ft., brick addition to light manufacturing building, to A. MacDonald & Son, 77 Summer St. Archts. est. $40,000.

Mass., Malden (Boston P. O.)—REPAIR SHOP—Malden Electric Co., 200 Devonshire St., Boston, 2 story, 60 x 135 ft., brick, rein.-con. and plain foundation garage and repair shop, to J. P. MacNaughton, 755 Boylston St., Boston. Archts. est. $75,000. Noted July 8.

Conn., Hartford—FACTORY—Hartford Empire Co., 347 Homestead Ave., 3 story, rein.-con. and brick, to Lawrence & Coe Constr. Co., 43 Farmington Ave. Archts. est. $50,000.

Conn., Hartford — FACTORY—Hartford Empire Co., 347 Homestead Ave., 3 story, brick mill constructing factory. Homestead Ave., to Lawrence & Coe Constr. Co., 43 Farmington Ave. Archts. est. $50,000. Noted July 15.

N. Y., Rochester—PRINTING PLANT—Dubois Press, 82 St. Paul St., A. F. Dubois, pres. and treas., 1 story, 90 x 180 ft. and 35 x 50 ft., brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland, O.

Pa., Phila. — BOILER HOUSE — A. C. Wood, archt., Stock Exch. Bldg., 1 story and basement, 48 x 54 ft., rein.-con. and brick, plain foundation, Roosevelt Blvd. and Asylum Pike, to Barclay White Co., 1713 Sansom St., for Friends Hospital. Noted July 15.

Pa., Phila. — COLD STORAGE and WAREHOUSE — H. A. Lane, ch. engr. Baltimore & Ohio R.R. Co., Baltimore, Md., 8 story and basement, 98 x 216 ft. cold storage building with 1 story, 98 x 216 ft. extension, and 1 story, 98 x 496 ft. private sales department, all rein.-con. and brick, wood pile foundation, Delaware and Jackson Sts., here, to Hughes-Foulkrod Co., Commonwealth Bldg., for Reading Co., Reading Terminal Bldg., Phila., and Baltimore & Ohio R.R. Co., Baltimore, Md. Noted July 15.

Pa., Phila.—MANUFACTURING—Ajax Metal Co., 46 Richmond St., will build 1 story, 21 x 50 ft., rein.-con., brick and steel, plain foundation, 1107 Dunton St. Work will be done by separate contracts under supervision W. M. Easby Co., 1505 Race St., engrs.

Pa., Phila.—FACTORY—Crescent Ink & Color Co., 460 25th St., 1 story and basement, 29 x 52 ft., rein.-con., brick and steel addition, plain foundation, 5th and Hamilton Sts., to J. S. Wilson Co., 1125 Brown St.

Pa., Phila.—LAUNDRY—Girard College, Girard Ave. and Corinthian St., 2 story, 40 x 60 ft., rein.-con., brick and steel, plain foundation, Girard Ave. and Corinthian St. to Day & Zimmermann, 1600 Walnut st.

Pa., Pittsburgh — SUB-STATION — Duquesne Light Co., 431 6th Ave., 2 story and basement, 50 x 55 ft., brick, tile, concrete steel, Public Ave., to W. F. Trimble & Sons, 1719 Penn Ave. Archts. est. $40,000. Noted July 15.

Pa., Washington—MACHINE SHOP—Washington Mould Machine & Foundry Co., general contract, 2 story and basement, 55 x 135 ft., brick and concrete, East Bean St., to Grange & Goebel, Washington. Archts. est. $40,000.

La., Bastrop—PULP and PAPER MILL—Louisiana Pulp and Paper Co. will build 1 story, 100 x 564 ft., brick and concrete addition. $1,000,000. Work will be done by day labor.

Ill., Chicago—FACTORY—Chicago Steel Tank Co., 1301 South 55th Court, general contract 1 and 2 story, 100 x 500 ft., brick and stone, Narragansett Ave., to Foltz & Co., 510 North Dearborn St. Archts. est. $200,000.

Ill., Chicago—FACTORY—Burton Auto Spring Co., 2433 West 48th St., general contract 1 story and basement, 55 x 120 ft., brick and stone addition to factory, to J. L. Tupy, 6307 West 22nd St., Berwyn.

Wis., Cudahy—FACTORY—Federal Rubber Co. (subsidiary of Fisk Rubber Co., 250 West 57th St., New York City, N. Y.), 6 story, 68 x 286 ft., brick, steel and timber, plain foundation, to Siderits Constr. Co., 3rd and North Aves., Milwaukee; and steel, to Wisconsin Bridge & Iron Co., North Milwaukee.

Wis., Edgerton—SHOP—Highway Trailer Co., J. Menhall, mgr., will build 1 story, 50 x 128 ft., brick and steel addition, by day labor; structural steel, to Wisconsin Bridge & Iron Co., North Milwaukee. Archts. est. $40,000.

Que., Limoilou — PAPER MILL — Anglo Canadian Pulp & Paper Mill Co., Ltd., 511 St. Catherine St. W., Montreal, constructing mills, to Northern Constr. Co. Ltd., Keefer Bldg., Montreal, $1,000,000.

Buildings—Educational, Religious

Proposed Work

Mass., Boston—SCHOOL—City, Schoolhouse Dept. having sketches made by C. Albright & W. B. Colleary, 308 Boylston St., 2 story and basement, brick and limestone, plain foundation, Grade School, Mt. Vernon St. $150,000.

Mass., Boston—SCHOOL—City, Schoolhouse Dept. having sketches made by J. Driscoll, 6 Beacon St., 6 story and basement, brick and limestone Continuation School, plain foundation, Warrenton and Common Sts. $600,000.

Mass., Lawrence—SCHOOL—Lithuanian Natl. Catholic Church, 50 Garden St., plans 2 story and basement, brick grade school, Garden and Newbury Sts. $150,000 or more. Engineer and architect not selected.

Mass., Medford (br. Boston)—COLLEGE—Tufts College, J. A. Cousens, pres., having sketches made by Andrew, Jones, Biscoe & Whitmore, 50 Congress St., Boston, 2 or 3 story, probably brick class room building. $150,000 or more.

Mass., Reading—HIGH SCHOOL—Town, Supt. of Schools, having plans prepared by Adden & Parker, 177 State St., Boston, addition, 2 story and basement, brick and stone junior high school, Middlesex Ave. $150,000.

Mass., Westfield—HIGH SCHOOL—City, Bd. Educ. having new plans prepared by M. B. Harding, 97 Elm St., 2 story and basement, 75 x 300 ft., brick and stone high school, Franklin St. $400,000.

R. I., West Warwick (mail Warwick)—SCHOOL—Town, Bd. Educ., having plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story and basement, brick and stone high school, Washington Sq. $150,000.

N. J., Westfield—SCHOOL—Bd. Educ. having plans prepared by Wilder & White, 16 East 41st St. New York City, new 12 room school building, Myrtle and Grand View Sts. $225,000.

Md., Baltimore — ADMINISTRATION — St. Marys Industrial School for Boys, Wilkins Ave. indefinitely postponed constructing 4 story and basement, 77 x 161 ft., stone and steel, plain foundation, Wilkins Ave. $200,000. H. I. Kavanagh, 916 North Charles St., archt. Noted June 3.

Fla., St. Petersburg—HIGH SCHOOL—City, having plans prepared by H. L. Taylor, 2 story, South Side Junior High School. $400,000.

O., Midvale — SCHOOL — Goshen Twp. plans 2 story and basement school addition in Goshen Twp. $150,000.

Ind., Lafayette—SCHOOL—Bd. School Trustees had plans prepared by F. P. Riedel, 1 story and basement, 126 x 226 ft., brick, steel and rein.-con. school. $152,000.

Ind., Laporte — CHURCH — Methodist Episcopal Church, having preliminary plans prepared by G. W. Allen, brick, steel, stone and rein.-con. church. $150,000.

Mich., L'Anse — HIGH SCHOOL — Bd. Educ., J. A. Hickey, pres., having plans prepared 3 story and basement, brick, tile and concrete, plain foundation, $300,000. Engineer and architect not selected.

Wis., Cudahy—GYMNASIUM—Bd. Educ., J. Heffran, pres., having plans prepared by Rosman & Wierdsma, 490 Bway., Milwaukee, 2 story and basement, brick gymnasium incl. swimming pool, plain foundation, at high school. $150,000.

Wis., Milwaukee—ACADEMY and CONVENT—Holy Angeles Academy, 243 12th St., having plans prepared by Barry, Byrne Co., 104 South Michigan Blvd., Chicago, Ill., 3 and 4 story, 169 x 169 ft., brick and concrete, plain foundation, Cedar and 12th St. $300,000.

Ia., Cedar Rapids—SCHOOL—Immaculate Conception Church, J. A. Limbach, chn. building comn., 1544 2nd Ave., plans 3 story and basement, 125x198 ft. rein.-con., brick and stone 4th Ave. between 8th and 10th Sts. $250,000. Engineer and architect not announced.

Ia., Davenport — CHURCH — St. Pauls Lutheran Congregation, J. A. Miller, 1410 Main St., pastor, having preliminary plans prepared 2 story and basement, concrete, brick and stone church. $200,000.

Ia., Des Moines—HIGH SCHOOL—Bd. Educ. had plans prepared by Proudfoot, Rawsom & Souers, 810 Hubbell Bldg., and soon takes bids Junior High School, 2 story and basement, rein.-con., brick and stone, 31st and Center St. $400,000.

Minn., Minneapolis — SCHOOLS — Bd. Educ., 305 City Hall, having plans prepared 3 story and basement school, 49th St., and Abbott Ave.; and 2 story and basement school Beard Ave. South, both rein.-con. and brick, $500,000 and $200,000 respectively. Architectural Dept. Bd. Educ., archts.

N. D., Fargo—SCHOOL—Bd. Educ. voted $225,000 bonds to purchase sites and construct schools, here. Noted June 10.

Mo., Fayette — COLLEGE — Central Howard Payne College takes bids in August or September 3 story and basement, 60 x 108 ft. addition to chapel $100,000; and 3 story and basement, 40 x 100 ft. conservatory of music, $75,000, both rein.-con., brick and stone. Trueblood & Graf, Chemical Bldg., St. Louis, archts. Noted Nov. 19.

Mo., St. Louis — CHURCH, etc. — By Our Lady of Sorrows Parish, D. A. Stolte, 5815 South Kingshighway, pastor, 1 story and basement, brick and rein.-con. church; 2 story and basement, 65 x 194 ft. brick and concrete addition to school; 2 story and basement brick concrete and stone manse, Kingshighway and Rhodes Ave. $225,000. A. F. Studer, 6032 South Kingshighway, archt.

Mo., St. Louis—NURSES HOME—Trueblood & Graf, archts., Chemical Bldg., soon lets contract 11 story and basement, 34 x 70 ft., and 34 x 103 ft. nurses home, Kingshighway St., for Washington University and Barnes Hospital, 600 South Kingshighway St.

Mo., St. Louis—NURSES HOME—St. Johns Hospital, 307 South Euclid Ave., soon takes bids 7 story and basement, 50x170 ft., rein.-con., brick, stone and terra cotta, Euclid and Parkview Aves. G. D. Barnett, 913 Syndicate Trust Bldg., archt.

Tex., Amarillo — HIGH SCHOOL — Bd. Educ., c/o W. A. McIntosh, supt., plans election soon $250,000 bonds, senior high school, here. Engineer and architect not selected.

Tex., Edinburg—SCHOOLS—Independent School Dist. c/o Secretary, having plans prepared by Giesecke & Harris, 207 West 7th St., Austin, schools, here. $1,000,000 bonds voted.

Tex., Sweetwater — HIGH SCHOOL—Voted $175,000 bonds, constructing rein.-con., brick and tile high school, plain foundations, for Bd. Educ. Noted June 24, 1926.

Ore., Portland—MUSIC STUDIO—J. R. Ellison and associates, 9th and Weidler Sts., making plans 7 story, 100 x 100 ft., rein.-con., West Park and Taylor Sts. $250,000. Engineer and architect not announced.

Calif., Berkeley — HIGH SCHOOL — St. Marys College, Oakland, having preliminary plans prepared by J. J. Donovan, Tapscott Bldg., Oakland, 2 story and basement high school, Peralta Park. $250,000.

Calif., Lodi—HIGH SCHOOL—Galt Joint Union High School Dist. plans election $150,000 bonds, fireproof high school.

Calif., Monrovia — SCHOOL — Monrovia School Dist. having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, fireproof school. $150,000. Noted July 8.

Calif., Santa Barbara — CHURCH — Methodist Episcopal Church, S. Hughes, pastor, plans 2 story, steel and probably rein.-con. church, Garden and Anapamu Sts. $200,000.

Ont., Bowmanville—NURSES HOME—Bowmanville Hospital Bd. having plans prepared by D. E. Kertland, 2 Bloor St. W., Toronto, 3 story and basement, rein.-con., brick and steel, plain foundation. $200,000.

Bids Desired

Mass., Braintree — SCHOOL — Twp., School Comn., taking bids, 2 story and

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Buildings—Educational, Religious (Cont.)

basement, brick, stone and plain foundation Grade School. $150,000. J. Craig, 45 Bromfield St., Boston, archt.

Mass., Brookline (br. Boston)—SCHOOL—Congregation Temple Israel, c/o McLaughlin & Burr, archts., 88 Tremont St., Boston, taking bids, 2 story and basement, brick, stone school, Pilgrim Rd. $150,000.

Mass., Quincy (Boston P. O.)—NURSES HOME—City, taking bids, 2 story and basement, brick, stone and plain foundation nurses home addition to Quincy Hospital. $150,000. McLaughlin & Burr, 88 Tremont St., Boston, archt. Noted June 10.

Mass., Roslindale (sta. Boston)—HIGH SCHOOL—Aug. 5, by Schoolhouse Dept., City Hall, Boston, 3 story and basement, 60 x 100 ft., brick, limestone and granite addition, to Washington Irving High School, plain foundation, Florence and Poplar Sts., here. $500,000. J. M. Gray, 175 High St., Boston, archt.

Mass., Roxbury (Boston P. O.)—CHAPEL—Rabbinical College, Inc., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, 2 story and basement, 95 x 120 ft., brick, steel and rein.-con., plain foundation, Warren and Brunswick Sts., to M. H. Bennett, 39 Gaston St. Archts. est. $150,000. Noted May 27.

Mass., Webster—HIGH SCHOOL and MUNICIPAL—Twp., Bd. Educ., J. A. Love, chm., taking bids, 3 story and basement, brick, stone and plain foundation, Junior High School and Municipal Bldg., Main St. $600,000. M. A. Dyer Co., 1 Beacon St., Boston, archt. Noted May 6.

Mass., Worcester—SCHOOL—July 31 by City Pub. Bldg. Dept., brick and steel school, Thorndyke Rd. $150,000. Frost, Chamberlain & Edwards, 390 Main St., archts.

N. J., Morris Plains—NURSES' HOME—Aug. 3, by Dept. Institutions & Agencies, Trenton, nurses home at State Hospital, here. $150,000. State architect, State Building, Trenton, archt. W. J. Ellis, comr.

N. J., New Brunswick—RECITATION—Aug. 3, by Dept. Institutions & Agencies, State Bldg., Trenton, 3 story, brick, steel and concrete, at State College for Women, here.

N. J., Totowa (mail Paterson)—NURSES' HOME, etc.—Aug. 3, by Dept. Institutions & Agencies, State Bldg., Trenton, W. J. Ellis, comr., group of buildings, incl. nurses' home, dining hall, etc., here. $500,000. State architect, State Building, archt.

N. C., Raleigh—SCHOOLS—Aug. 3, by School Com. and H. F. Soygley, supt., 12 room addition to Murphy School, 16 room school in Hayes-Barton, and 8 room school in Boylan Heights, all brick. Noted July 1.

Ind., Richmond—HOSPITAL—Aug. 2, by Trustees Reid Memorial Hospital, 4 story and basement, 42 x 45 x 99 ft., brick and rein.-con., hospital. $200,000. W. Scholer, Lafayette, archt. Noted July 1.

Mich., Dearborn—SCHOOL—Aug. 5, by E. E. Walborn, secy. Bd. Educ., 2 story and basement, rein.-con., brick, steel and stone, plain foundation, incl. wiring, steam heating boiler, etc., Whitmore Ave. $150,000. Farrell & White, 610 Buhl Bldg., engrs. G. D. Mason & Co., 508 Griswold St., archts.

Mich., Grosse Pointe Park (mail Grosse Pointe)—SCHOOL—Aug. 4, by C. A. Parcells, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating boiler and equipment, Beaconsfield and Essex Sts. $150,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, archts.

Mich., Wyandotte—SCHOOL—Garstecki & Waier, archts., 403 Hoffman Bldg., taking bids, 2 story and basement, 60 x 140 ft., brick and steel, plain foundation, Forest Ave. $150,000., for St. Henrys Parish, Forest Ave.

Wis., Fort Atkinson—VOCATIONAL SCHOOL—Aug. 10, by School Dist. 6, J. E. Schreiner, clk., 2 story and basement, brick, concrete and tile, Junior and High vocational school, $150,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Wis., Marion—SCHOOL—Aug. 5, by Bd. Educ., G. W. Durkop, clk., 2 story and basement, 82 x 135 ft., brick and tile grade and high school. $150,000. Smith & Brandt, I. O. O. F. Bldg., Appleton, archts. Noted July 8.

Tex., Ft. Worth—SCHOOL—W. G. Clarkson, archt., 1st Natl. Bank Bldg., taking bids 2 story, rein.-con., brick and stone, Page, College and Alston Sts., for Bd. Educ., c/o E. A. Corbeth, chn. $150,000.

Tex., San Benito—HOTEL—Aug. 9, by San Benito Hotel Co., c/o E. Downs, 4 story, part basement, rein.-con., brick and tile, incl. elevator. $175,000. H. P. Smith, c/o Natl. Bank Commerce Bldg., archt. Noted July 15.

Colo., Greeley—HIGH SCHOOL—Aug. 16, by Bd. Educ., High School Bldg., 3

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story, 100 x 300 ft., rein.-con. and brick, plain foundation. $300,000. W. N. Bowman & S. G. Frazier, Insurance Bldg., archts.

Okla., Norman—GYMNASIUM—Aug. 17, by State Bd. Affairs, Capitol Bldg., Oklahoma City, 2 story and basement, 106 x 168 ft., rein.-con. and brick, plain foundation, on campus, for University of Oklahoma. $186,000. J. Hicks, Braniff Bldg., Oklahoma City, archts. Noted Feb. 25.

Calif., Los Angeles—SCHOOL—Aug. 4, by Bd. Educ., Temple Street School, 2 story, 116 x 208 ft., brick. $150,000. Architectural Dept. of Bd. Educ., archts. Noted July 8.

Bids Received

N. Y., Locust Valley — SCHOOL—Bd. Educ., general contract school, here from K. Mackay & Co., Yonkers, $311,000; heating from Johnston Heating Co., $57,500. Noted June 10.

Ia., Des Moines — CHURCH — Vorse, Kraetch & Kraetch, archts., 1201 Commonwealth Bldg., 3 story and basement, 160 x 220 ft., rein.-con., brick, steel and stone, plain foundation, from C. Weitz Sons, 713 Mulberry St., for Grace Methodist Episcopal Church, $283,500. Noted July 15.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co., general contract Mission Jr. High School, 17th and Guerrero Sts., from R. W. Moller, Call Bldg., $742,600. Noted June 17.

Contracts Awarded

N. H., Hanover—LIBRARY—Dartmouth College, 4 story and basement, 187 x 250 ft., brick, stone and granite library, to Hegeman-Harris Co., Inc., 16 North Harvard St., Brighton, Mass. Archts. est. $1,000,000.

Vt., Rutland — SCHOOL — St. Josephs Academy, 3 story and basement, 20 x 60 and 50 x 50 ft., brick and stone school, Convent Ave. to Rowe Constr. Co., Woodsville, N. H. Archts. est. $150,000. Noted June 3.

Mass., South Lawrence (mail Lawrence)—LIBRARY—City, Pub. Bldg. Dept., 1 and 2 story and basement, brick stone and plain foundation, Parker and Dudley Sts., to A. E. Steinert, Bay State Bldg., Lawrence. Archts. est. $150,000.

Mass., Springfield—DORMITORY—International Y. M. C. A. College, 4 story, brick and steel dormitory, Hickory Pl., to E. J. Finney Co. Archts. est. $400,000.

Mass., Worcester — SCHOOL — Sacred Heart Parish, c/o contractor, 2 story and basement, brick and stone Parochial School, to J. M. and C. J. Buckley, 164 Federal St. Archts. est. $150,000.

N. J., Wildwood—HIGH SCHOOL—Bd. Educ., general contract 1 and 2 story, 124 x 137 ft., rein.-con., brick and steel, wood pile foundation, to J. M. Yardley Co., 1700 Walnut St., Phila., Pa., $180,981; heating and ventilating, to R. H. Johnson, Ocean City, $59,836. Noted June 3.

Pa., Paoli—SCHOOL—School Bd., Ritter & Shay, archts., Packard Bldg., Phila., general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, here, to F. W. Worley Constr. Co., Wesley Bldg., Phila. $138,435. Noted July 22.

Pa., Phila. — GRADE SCHOOL — Bd. Educ., 19th and Chestnut Sts., general contract, 3 story and basement, 85 x 212 ft., rein.-con. and brick, plain foundation, Nedro and Ogontz Sts., to McClosky & Co., 1620 West Thompson St., $423,234; and heating, to L. J. Sommers & Son, 2406 Brown St. $43,751. Noted July 22.

Pa., Phila. — NURSES' HOME and TRAINING SCHOOL—Willing Sons & Talbott, archts., 126 South 18th St., 4 story and basement, 40 x 150 ft., rein.-con. and brick, plain foundation, 8815 Germantown Ave., to W. R. Doughterty, 1610 Sansom St., for Chestnut Hill Hospital. Archts. est. $150,000. Noted July 15.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract remodeling and constructing 2 story and basement, 97 x 115 ft. rein.-con. and brick addition, plain foundation, Tabor and Water Sts., to Kober Constr. Co., 34th and South 17th Sts. $236,666; and heating, to Thompson Bros., 520 Buttonwood Ave. $26,700. Noted July 22.

Pa., Strafford—SCHOOL—School Bd., c/o Ritter & Shay, archts., Packard Bldg., general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, plain foundation, here, to F. W. Worley Constr. Co., Wesley Bldg., Phila. $138,435. Noted July 22.

Pa., Tarentum—SCHOOL—P. C. Dowler, archt. Century Bldg., Pittsburgh, 2 and 3 story and basement irregular shaped, brick and steel addition, here, to Williams & Haas, Magee Bldg., Pittsburgh, for School Dist. $167,756. Archts. est. $200,000.

Mich., Alma—HIGH SCHOOL—City, general contract, 60 x 80 ft. high school to H. C. Webber Constr. Co., Bay City, $155,000.

Ill., Chicago—SCHOOL—J. Christensen, archt., 650 South Clark St., general contract 2 story and basement, 72 x 386 ft., brick, stone and terra cotta, Wabansia Ave. and Bloomingdale Rd., to Lind Constr. Co., 6404 South State St., for Bd. Educ. Archts. est. $500,000.

Mo., Columbia — HIGH SCHOOL—Bd. Educ. 2 story, 160 x 219 ft., rein.-con., brick and stone, plain foundation, here, to J. L. Davis Constr. Co., Columbia, $247,595.

Tex., Wichita Falls—CHURCH—First Methodist Congregation, c/o J. J. Perkins, chn. building com. and J. W. Johnson, pastor, 1 story, balcony and basement, 82 x 170 ft. with 47 x 49 ft. side extension, rein.-con., brick, stone and steel, 10th and Lamar Sts., to B. H. Brown, 406 Perkins-Snyder Bldg. Approximately $250,000. Archts. est. $300,000. Noted July 15.

Federal Government Work

Proposed Work

Mass., Rutland Heights — Roads and Walks—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids June 22, roads and walks at U. S. Veterans Hospital, here. Noted July 15.

Miss., Vicksburg — Barges — Mississippi Rivers Dist., P. O. 404, rejected bids July 15, 8 or more steel-creosoted timber barges. Will readvertise. Noted July 1.

Calif., Livermore—Road—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids June 22, road work at U. S. Veterans Hospital, here. Noted July 15.

Calif., Palo Alto—Water Tanks—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Mar. 2, redwood water tanks for U. S. Veterans Hospital, here. Noted Mar. 11.

Bids Desired

N. Y., St. George—Cylinders—Aug. 9, by Supt. Lighthouses, two hundred 88 ft. and three hundred 180 ft. capacity when full, steel cylinders, for transportation of compressed acetylene gas.

N. Y., Schenectady—Aug. 4, by Bd. Contract & Supply, sanitary and storm sewers in Plaza Dist. J. S. Van Auken, secy.; adv. E. N.-R. July 29.

N. Y., Yonkers—Clearing Site—July 30, by Treas. Dept., at office Supervising Archt., Wash., D. C., clearing site for U. S. Post Office, here.

Pa., Phila.—Roads—Spec. 5259—Aug. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving roads at U. S. Naval Home, here.

Va., Fort Monroe—Heating Plant—Aug. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., hot water heating plant, here.

Illinois—Earthwork—Aug. 12, at office Secretary Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., 300,600 cu.yd. earthwork in Preston Levee D. D., here; adv. E. N.-R. July 29.

Wis., Portage—Canal—Aug. 30, at U. S. Engineer Office, Federal Bldg., Milwaukee, 35 x 170 ft., rein.-con., lock, in Wisconsin River. Noted June 10.

Wyoming—Road—Aug. 4, by J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., grading 6.1 mi. Wind River Surfacing Sect., Natl. Forest Rd. Project within or partly within Washakie Natl. Forest, Fremont Co., here.

Wyoming—Road—Aug. 5, by J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., grading, etc., 4.2 mi. Heback Canyon, Lower Canyon Sect. Natl. Forest Road Project, Teton Co., here.

Montana—Dam—Aug. 31, at office Bureau Reclamation, Fairfield, constructing Gibson Dam. P. W. Dent, acting comr.; adv. E. N.-R. July 29.

Missouri—Earthwork—Aug. 12, at office Secretary Mississippi River Comn., 1311 International Life Bldg., St. Louis, 336,000 cu.yd. earthwork, in Levee Dist. 2, Perry Co.; adv. E. N.-R. July 29.

Mo., St. Louis—Cabin, etc.—Aug. 11, at office secretary Mississippi River Comn., 1311 International Life Bldg., transferring cabin from old to new hull and erecting condensing machinery, in new hull Steamer Mississippi; adv. E. N.-R. July 29.

Colorado—Road—Aug. 5, by J. W. Johnson, dist. engr., 301 Custom House, Denver, grading, etc., 5.83 mi. Tennessee Pass Surfacing Sect. Natl. Forest Project, Lake and Eagle Counties.

Federal Government Work (Continued)

New Mexico—Road—Aug. 4, by J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., grading, etc., 5.85 mi. Datil-Reserve-Dry Creek Pleasanton-Box Canyon Sect. Natl. Forest Rd., Catron Co., here.

Bids Received

R. I., Newport—Dredging—Spec. 5224—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Station, here, from J. S. Packard Dredging Co., 104 Turks Head Bldg., Providence, at $0.70 per cu.yd. Noted July 15.

Conn., Bristol — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., July 20, remodeling and enlarging U. S. Post Office, here, from W. L. Morrison Constr. Co., Metropolitan Bldg., Wash., D. C., $17,140. Noted July 8.

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., July 23, dredging and removing rock from New York and New Jersey Harbors, from Great Lakes Dredge & Dock Co., 17 Battery Pl., $706,108. Noted July 15.

N. Y., New York—Dredging—U. S. Engineer Office, 39 Whitehall St., July 22, dredging and removing rock from New York and New Jersey channels from Great Lakes Dredge & Dock Co., 17 Battery Pl., $418,764. Noted July 15.

Ind., Logansport — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., July 19, remodeling U. S. Post Office, here, from J. I. Baines, Logansport, $13,970. Noted July 8.

Contracts Awarded

Conn., New Haven—Dredging—U. S. Engineer Office, Providence, R. I., dredging in New Haven Harbor, here, to J. S. Packard Dredging Co., 104 Turks Head Bldg., Providence, R. I., $106,775. Noted June 3.

N. Y., Middletown—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to Sloan, Dickinson Co., 136 Liberty St., New York City, $17,980. Noted July 1.

Pa., Phila.—Vestibule—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing entrance vestibule, at U. S. Post Office, here, to Schaefer & Co., Otis Bldg., $2,280.

Pa., Phila.—Roads—Spec. 5236—Bureau Yards & Docks, Navy Dept., Wash., D. C., resurfacing roads at U. S. Navy Yard, here, to Benjamin Foster Co., Inc., 20th and Venango Sts., $7,348. Noted July 22.

Del., Wilmington—Dredging—U. S. Engineer Office, dredging inland waterway from Delaware River to Chesapeake Bay, in Delaware and Maryland, to Atlantic Gulf & Pacific Co., 13 Park Row, New York City, $502,964. Noted June 3.

Fla., Miami—Dredging—U. S. Engineer Office, Jacksonville, dredging, removing rock and jetty foundations between Ocean and harbor, here, to Arundel Corp., 1320 North Charles St., Baltimore, Md., $2,372,693. Noted June 3.

Wis., Milwaukee—Breakwater—U. S. Engineer Office, South Breakwater in Milwaukee Harbor, to E. E. Gillen Co., 288 East Water St., Milwaukee, $519,092. Noted July 8.

Mo., Rocheport—Dikes—U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 3 rows clump dikes, near here, to Massman Constr. Co., Kansas City, $75,670. Noted June 24.

Colorado—Road—Bureau Pub. Rds., Dept. Agriculture, Custom House, Denver, grading, etc. 2.16 mi. Mt. Evans Chicago Creek Sect. Clear Creek Co. to Pioneer Contr. & Eng. Corp., Denham Bldg., Denver, $52,945; 1.8 mi. High Drive Natl. Park Road Project, Larimer Co. to L. E. Smith & Co., 1957 South Logan St., Denver, $34,515; 3.95 mi. South St. Vrain, Sect. 2, Natl. Forest Rd. Project, Boulder Co. to W. A. Colt, Las Animas, $60,176, 2.42 mi. Fremont Pass Curtin Frisco Section Summit Co. from Stamey-Mackey Constr. Co., Hutchinson, Kan., $39,747; 2.25 mi. Independence Pass, Coleman Grade Sect. Pitkin Co. to Tagert, MacDonald & McSkinning, Aspen, $35,453; 5.97 mi. Fremont Pass Climax-Kokomo Section, Lake and Summit counties, to J. R. Gordon, Denham Bldg., $54,327. Grand total $277,163. Noted June 24 and July 1.

Unclassified

Proposed Work

Speedway, etc.—Buffalo, N. Y.—Niagara Frontier Speedway, Inc., 705 Brisbane Bldg., plans speedway, athletic field and stadium, 80,000 seating capacity, here. $3,500,000.

Gateway — Phila., Pa.—See "Buildings Commercial."

Land Development — Shreveport, La. — High Point Land Co. making plans improving 60 acres, incl. water, sewers, lights, curbing, guttering and graveling streets. $45,000. C. D. Evans, Shreveport, engr.

Street Signs, etc.—Evansville, Ind.—City, plans new street signs and house. $30,000.

Golf Course—La Crosse, Wis.—La Crosse Public Course, J. A. Bartl, secy., 1515 State St., plans 9 or 18 hole golf course and constructing club house, etc. $25,000. Engineer not selected.

Athletic Field—St. Louis, Mo.—Bd. Educ., 911 Locust St., soon takes bids 325 x 660 ft. athletic field, incl. stadium 15,000 seating capacity, and running track, etc. $325,000. R. M. Milligan, comr. engr.

Land Development—Corpus Christi, Tex. —Pitkin Co. (branch office) making preliminary plans developing Saxet-Heights Sub-Division, incl. waterworks, electric lights, sewers, etc. $150,000.

Culverts—Linden, Tex.—See "Streets and Roads."

Land Development—San Antonio, Tex.—F. Genser, Granger, plans developing 18,000 acres near Prince Station Sub-Division, near here. $200,000. Private plans.

Power Program—Los Angeles, Calif.—City, plans electrical power program to provide 47,000 h.p. hydroelectric energy, and reservoir on Owens River. $14,000,000. E. F. Scattergood, 1415 Berkshire St., engr.

Swimming Pool—Santa Monica, Calif.—See "Buildings-Commercial."

Swimming Pool — Hamilton, Ont.—City plans concrete swimming pool, $25,000. W. L. McFaul, City Hall, engr.

Concrete Reinforcement—Pelee Island, Ont.—Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans concrete reinforcement around Pelee Passage lighthouse. $25,000. K. M. Cameron, Hunter Bldg., Ottawa, ch. engr.

Bids Desired

Steel, Plates, etc.—Boston, Mass.—Aug. 4, by Transit Dept., 1 Beacon St., 135 tons structural steel, consisting of plates, channels, etc., f.o.b. cars, 14 Cypher St., South Boston. T. F. Sullivan, chn.

Street Lighting System—Elizabeth City, N. C.—See "Waterworks."

Tunnels, etc.—Indianapolis, Ind.—See "Buildings Industrial."

Plumbing, etc.—Chicago, Ill.—Aug. 5, at office Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., plumbing for Washburn School, lunchroom and kitchenette eqiupment for Hirsch and Sullivan High Schools, electrical work for O'Toole School, and yard improvements for Morgan Park High School. J. C. Christensen, 650 South Clark St., archt.

Street Lighting System—Whitefish Bay (Milwaukee P. O.), Wis.—Aug. 2, by W. H. Volkmann, village clk., concrete poles, cable, etc., for 1 section street lighting system. $30,000. T. F. Buckley, Village Hall, engr.

Guard Rail, etc.—Cedar Rapids, Ia.—See "Streets and Roads."

Guard Rail, etc.—Charlton, Ia.—Aug. 4, at office Auditor Lucas Co., 23,718 ft. guard rail and 70 anchors on Federal Aid Project 223.

Guard Rail, etc.—Greenfield, Ia.—Aug. 3, at office Auditor Adair Co., 26,395 ft. cable guard rail and 126 anchors on Federal Aid Project 173-C.

Gas Mains—Minnesota—See "Contracts Awarded."

Bids Received

Grand Stand and Field House—Brookline (br. Boston) **Mass.**—Constructing grand stand and field house, Pond Ave., from Milton Constr. & Eng. Co., 80 Boylston St., Boston, $41,000. Noted July 15.

Electrical Equipment—New York, N. Y.—New York State Bridge & Tunnel, Comn., and the New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., equipment for lighting tunnels, approaches, etc., Contr. 19, Holland Tunnel from Fishback & Moore, 222 East 42nd St., $818,901. Noted June 24.

Foundation—New Orleans, La.—Bd. Port Comrs., 200 New Court House, July 6, rein.-con. foundation with timber piling for Poydras and Girod Sts. wharves, etc., from Dalgard Constr. Co., Louisiana Bldg. $487,165. Noted July 1.

Underpass—Houston, Tex.—City, c/o Mayor and Southern Pacific R.R. and J. C. McVea, city engr., rein.-con. underpass under Galveston, Harrisburg & San Antonio R.R. tracks north of Ship Canal, from A. M. Fitzgerald, 615 Peden St. $121,424. Engrs. est. $134,000. Noted May 13.

Ornamental Lighting System—Glendale, Calif.—City, ornamental street lighting system on Glenoaks Blvd., Grandview Ave., etc., from City, P. Diederich, city supt. of Power Plant, $33,680.

Contracts Awarded

Swimming Pool—East Port Chester (mail Port Chester), **Conn.**—W. C. Teagle, c/o 17 East 42nd St., New York, N. Y., private concrete swimming pool, to Richard Outwater Jr., Sound View Dr., Greenwich. Engrs. est. $50,000.

Heating, Ventilating—Rushville, Ind.—Bd. School Trustees, at Superintendent's Office, Graham High School Bldg., heating and ventilating in Belle Gregg and Havens Schools, to Tibbetts Heating & Plumbing Co., Union City. Archts. est. $25,000. Noted July 1.

Gas Mains—Minnesota—Minneapolis Gas Light Co., 16 South 7th St., Minneapolis, will lay gas mains in Edina, Morningside and Richfield connecting with plant, in Minneapolis, by day labor. Approximately $250,000.

Oil Pipe Line—Texas—Magnolia Petroleum Co., Luling, will construct 180 mi. 8 in. welded steel, oil pipe line between Miranda Oil Fields and Laredo, incl. 3 pumping stations, by own forces. $6,500,000.

Gas Pipe Line—Texas and Colorado—Lone Star Gas Co., Childress, will construct 18 in. gas pipe line between Panhandle Fields near Childress, Tex. and Denver, Colo., by own forces. $6,000,000. E. H. Conrad, Childress, engr.

Dock—Corpus Christi, Tex.—Missouri Pacific Ry. Co., Ry. Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., constructing 40 x 400 ft., timber open dock, incl. 2 railway tracks and approximately 463 piles, here, to Sumner Solitt Co., Natl. Bank of Commerce Bldg., $75,870; and approach $31,730.

Pier Protection — Houston, Tex. — Magnolia Petroleum Co., c/o General Manager, Beaumont, protecting approximately 400 ft. frontage with sheet piling, to W. Moore Co., 204 2nd Natl. Bank Bldg. Approximately $50,000.

Bulkhead—Long Beach, Calif.—For rein.-con. bulkhead in Bay Shore Walk, to Frazer & Bishop, Kress Bldg., $64,900. Noted Feb. 4.

Ornamental Lighting System—Los Angeles, Calif. — For constructing ornamental street lighting system in 9th St. between Cloverdale Ave. and Ridgeley Dr., to Underground Constr. Co., 2210 Hyperion St., $25,657. Noted July 1.

Rip-Rap — San Francisco, Calif.—Amer. Toll Bridge Co., 525 Market St., furnishing and placing 35,000 tons rip-rap around centre piers of Carquinez Bridge, to Healy-Tibbitts Constr. Co., 64 Pine St., $0.83.

Oil Tank—Toronto, Ont.—Imperial Oil Co., Imperial Oil Bldg., three 10 m.g., concrete foundation, steel storage tanks, to Dufferin Constr. Co., Bathurst St. Engrs. est. $250,000.

Materials

Bids Desired

Steel Beams, etc.—Boston, Mass.—Aug. 4, by Transit Dept., 1 Beacon St., 700 tons steel beams, 8- to 30-in., various lengths, prepaid f.o.b. 14 Cypher St., South Boston. T. F. Sullivan, chn.

Iron Machine Bolts—Chicago, Ill.—Aug. 4, by Dept. Pub. Wks., Room 406, City Hall, 7,320 iron machine bolts for discharge piping at Western Avenue Pumping Station, 49th St. and Western Ave. A. A. Sprague, comr.

Steel—Minneapolis, Minn.—Aug. 5, by F. S. Gram, city purch. agt., 219 tons fabricated steel for Cedar Ave. Bridge, here. N. W. Elsberg, city engr. Noted July 17 under "Bridges."

Guard Rail, etc.—Iowa City, Ia.—Aug. 5, at office Auditor Johnson Co., 3,750 ft. cable guard rail and 19 anchors. G. M. Griffith, Iowa City, engr.

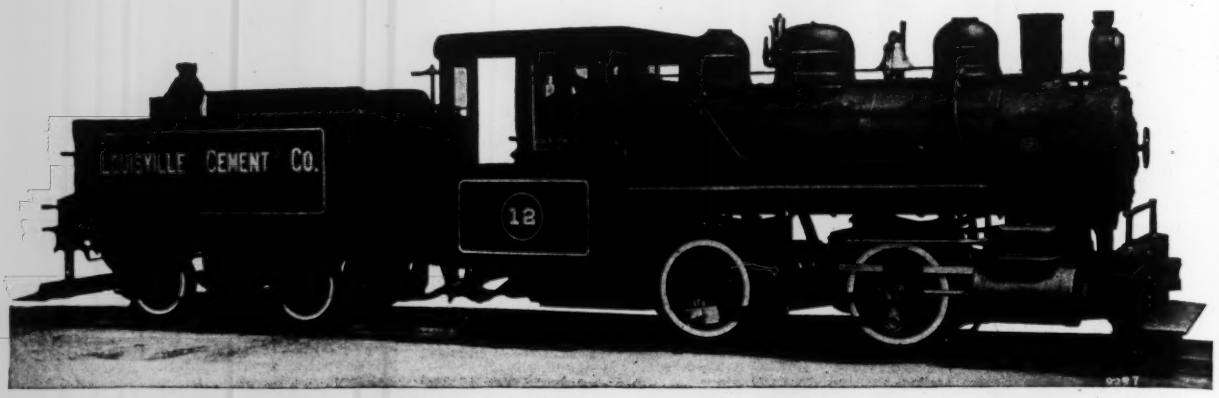
Bids Received

Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 25,000 special 5 in. granite paving blocks from Terminal Supply Co., 350 Madison Ave., $3,561.

Timber—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., July 23, timber and ties for construction rapid transit railroads, Order 15, from Robinson Lumber Co., 299 Madison Ave., $83,106. Noted July 15.

See proposal advertising on page 115

Constr. News page 81



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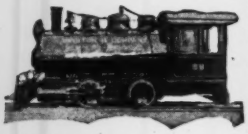

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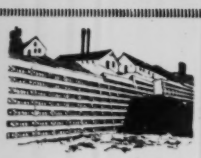

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